



SEQUENCE LISTING

<110> GUEGLER, Karl et al

<120> ISOLATED HUMAN TRANSPORTER PROTEINS,
NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
AND USES THEREOF

<130> CL000858

<140> 09/729,920

<141> 2000-12-06

<160> 5

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2065

<212> DNA

<213> Human

<400> 1

B2

ggacactgac	atggactgaa	ggagtagaaa	gctggagtga	cactgcagtg	ggcttctccg	60
tagccccagc	cttcaggctg	cgcagccctt	aacctgccgg	caccgctttt	gggaagcagc	120
ttggctcttc	catctcccca	agccttcttc	tccatccttt	catccacccc	tcgccgatct	180
tacttttttc	tttaccacag	gggccgcggc	cggccacccc	ctggccgggtg	caaacaccca	240
agccctctcc	agttctcccc	caagctaata	ttttcccacc	tgtctttttc	tgggggttcc	300
ccacgagcca	gtccaaggct	cccccatcct	cggaaattgt	tttgttggtg	tgctaaaccg	360
aggcgtgtaa	agcttgagga	ctttattatt	atttgggttc	ttttcatttc	ttccccctct	420
gggcaacgaa	gcaatgaaat	ttccaatcga	gacgccaaga	aaacagggtg	actgggatcc	480
taaagtggcc	gttcccgcag	cagcacccgt	gtgccagccc	aagagcgcca	ctaaccgggc	540
acccccggct	cgggtctcca	ctccaactcc	gcgcctgtcc	atttcctccc	gagccacagt	600
ggtagccagg	atggaaggca	cctcccaagg	gggcttgtag	accgtcatga	agtggaagac	660
gggtggttgc	atctttgtgg	ttgtggtggt	ctacctgttc	actggcggtc	ttgtcttccg	720
ggcattggag	cagccctttg	agagcagcca	gaagaatacc	atcgcttggg	agaaggcgga	780
attcctgcgg	gatcatgtct	gtgtgagccc	ccaggagctg	gagacgttga	tccagcatgc	840
tcttgatgct	gacaatgcgg	gagtcagtc	aataggaaac	tcttccaaca	acagcagcca	900
ctgggacctc	ggcagtgcc	ttttctttgc	tggaaactgt	attacgacca	taggggatgg	960
gaatattgct	ccgagcactg	aaggaggcaa	aatcttttgt	attttatatg	ccatctttgg	1020
aattccactc	tttggtttct	tattggctgg	aattggagac	caacttgga	ccatctttgg	1080
gaaaagcatt	gcaagagtgg	agaaggctct	tcgaaaaaag	caagtgaagc	agaccaagat	1140
ccgggtcatc	tcaaccatcc	tgttcatctt	ggccggctgc	attgtgtttg	tgacgatccc	1200
tgctgtcatc	tttaagtaca	tcgagggctg	gacggccttg	gagtcatttt	actttgtggt	1260
ggtcactctg	accacgggtg	gctttggtga	ttttgtggca	gggggaaacg	ctggcatcaa	1320
ttatcgggag	tggtataagc	ccctagtgtg	gttttggtgc	cttgttggtc	ttgcctactt	1380
tgcagctgtc	ctcagtatga	tcggagattg	gctacgggtt	ctgtccaaaa	agacaaaaga	1440
agaggtgggt	gaaatcaagg	cccatgcggc	agagtggaa	gccaatgtca	cggctgagtt	1500
ccgggagaca	cggcgaaggc	tcagcgtgga	gatccacgat	aagctgcagc	gggcgccac	1560
catccgcagc	atggagcgcc	ggcggtggg	cctggaccag	cgggcccact	cactggacat	1620
gctgtcccc	gagaagcgct	ctgtctttgc	tgccctggac	accggccgct	tcaaggcctc	1680
atcccaggag	agcatcaaca	accggcccaa	caacctgcgc	ctgaaggggc	cggagcagct	1740
gaacaagcat	gggcagggtg	cgtccgagga	caacatcatc	aacaagttcg	ggtccacctc	1800
cagactcacc	aagaggaaaa	acaaggacct	caaaaagacc	ttgcccgagg	acgttcagaa	1860
aatctacaag	accttccgga	attactccct	ggacgaggag	aagaaagagg	aggaaacgga	1920
aaagatgtgt	aactcagaca	actccagcac	agccatgctg	acggactgta	tccagcagca	1980
cgctgagttg	gagaacggaa	tgatacccac	ggacaccaa	gaccgggagc	cggagaacaa	2040
ctcattactt	gaagacagaa	actaa				2065

<210> 2
 <211> 543
 <212> PRT
 <213> Human

<400> 2

Met Lys Phe Pro Ile Glu Thr Pro Arg Lys Gln Val Asn Trp Asp Pro
 1 5 10 15
 Lys Val Ala Val Pro Ala Ala Ala Pro Val Cys Gln Pro Lys Ser Ala
 20 25 30
 Thr Asn Gly Gln Pro Pro Ala Pro Ala Pro Thr Pro Thr Pro Arg Leu
 35 40 45
 Ser Ile Ser Ser Arg Ala Thr Val Val Ala Arg Met Glu Gly Thr Ser
 50 55 60
 Gln Gly Gly Leu Gln Thr Val Met Lys Trp Lys Thr Val Val Ala Ile
 65 70 75 80
 Phe Val Val Val Val Val Tyr Leu Val Thr Gly Gly Leu Val Phe Arg
 85 90 95
 Ala Leu Glu Gln Pro Phe Glu Ser Ser Gln Lys Asn Thr Ile Ala Leu
 100 105 110
 Glu Lys Ala Glu Phe Leu Arg Asp His Val Cys Val Ser Pro Gln Glu
 115 120 125
 Leu Glu Thr Leu Ile Gln His Ala Leu Asp Ala Asp Asn Ala Gly Val
 130 135 140
 Ser Pro Ile Gly Asn Ser Ser Asn Asn Ser Ser His Trp Asp Leu Gly
 145 150 155 160
 Ser Ala Phe Phe Phe Ala Gly Thr Val Ile Thr Thr Ile Gly Tyr Gly
 165 170 175
 Asn Ile Ala Pro Ser Thr Glu Gly Gly Lys Ile Phe Cys Ile Leu Tyr
 180 185 190
 Ala Ile Phe Gly Ile Pro Leu Phe Gly Phe Leu Leu Ala Gly Ile Gly
 195 200 205
 Asp Gln Leu Gly Thr Ile Phe Gly Lys Ser Ile Ala Arg Val Glu Lys
 210 215 220
 Val Phe Arg Lys Lys Gln Val Ser Gln Thr Lys Ile Arg Val Ile Ser
 225 230 235 240
 Thr Ile Leu Phe Ile Leu Ala Gly Cys Ile Val Phe Val Thr Ile Pro
 245 250 255
 Ala Val Ile Phe Lys Tyr Ile Glu Gly Trp Thr Ala Leu Glu Ser Ile
 260 265 270
 Tyr Phe Val Val Val Thr Leu Thr Thr Val Gly Phe Gly Asp Phe Val
 275 280 285
 Ala Gly Gly Asn Ala Gly Ile Asn Tyr Arg Glu Trp Tyr Lys Pro Leu
 290 295 300
 Val Trp Phe Trp Ile Leu Val Gly Leu Ala Tyr Phe Ala Ala Val Leu
 305 310 315 320
 Ser Met Ile Gly Asp Trp Leu Arg Val Leu Ser Lys Lys Thr Lys Glu
 325 330 335
 Glu Val Gly Glu Ile Lys Ala His Ala Ala Glu Trp Lys Ala Asn Val
 340 345 350
 Thr Ala Glu Phe Arg Glu Thr Arg Arg Arg Leu Ser Val Glu Ile His
 355 360 365
 Asp Lys Leu Gln Arg Ala Ala Thr Ile Arg Ser Met Glu Arg Arg Arg
 370 375 380
 Leu Gly Leu Asp Gln Arg Ala His Ser Leu Asp Met Leu Ser Pro Glu
 385 390 395 400

Lys	Arg	Ser	Val	Phe	Ala	Ala	Leu	Asp	Thr	Gly	Arg	Phe	Lys	Ala	Ser
				405					410					415	
Ser	Gln	Glu	Ser	Ile	Asn	Asn	Arg	Pro	Asn	Asn	Leu	Arg	Leu	Lys	Gly
			420					425					430		
Pro	Glu	Gln	Leu	Asn	Lys	His	Gly	Gln	Gly	Ala	Ser	Glu	Asp	Asn	Ile
		435					440					445			
Ile	Asn	Lys	Phe	Gly	Ser	Thr	Ser	Arg	Leu	Thr	Lys	Arg	Lys	Asn	Lys
	450					455					460				
Asp	Leu	Lys	Lys	Thr	Leu	Pro	Glu	Asp	Val	Gln	Lys	Ile	Tyr	Lys	Thr
465					470					475					480
Phe	Arg	Asn	Tyr	Ser	Leu	Asp	Glu	Glu	Lys	Lys	Glu	Glu	Glu	Thr	Glu
				485					490					495	
Lys	Met	Cys	Asn	Ser	Asp	Asn	Ser	Ser	Thr	Ala	Met	Leu	Thr	Asp	Cys
			500					505					510		
Ile	Gln	Gln	His	Ala	Glu	Leu	Glu	Asn	Gly	Met	Ile	Pro	Thr	Asp	Thr
		515					520					525			
Lys	Asp	Arg	Glu	Pro	Glu	Asn	Asn	Ser	Leu	Leu	Glu	Asp	Arg	Asn	
	530						535					540			

<210> 3
 <211> 143306
 <212> DNA
 <213> Human

<400> 3

BZ

cctaagggtg	cagttcctgc	cacaggaatt	tgccttggac	agtgaactaa	ttccccaatg	60
cagacccag	aacacaacca	taggtcagtt	cattttgcaa	aggaggaggg	cctggaggct	120
tggaaaatat	cgtatttaga	ccttcattac	ccaaacgaac	ccatgggaca	ggttcagggg	180
cagattcatg	gggtcccggg	ctggatgagc	tcacaagggt	ctggcatgga	gagcatggac	240
ctttgtgtca	acaaacttgg	gtttgaatcc	tcatatcgtg	accttgggaa	tgtttcttta	300
tctctctgag	ccttgatctt	ctcatctgta	aaaggaggcc	agttacagct	tctgcaaaat	360
gatctaacia	agatgaatgg	agaggaaata	tgagatgggt	agggggaatt	cagtaaattg	420
caatcttgcc	tccccgtgct	ctgaggactc	aggagagggg	gtctttctct	gctgaagccc	480
ctctctgact	ctgatgcatg	taaaaaacat	tgtattgcag	tgactgtgct	agagtccagc	540
tgctccgtgaa	cagttaaaga	gaagagcgca	gagggagggg	cgaaagcctt	tcttagaagc	600
atctccctct	ggacttgaga	acagaattta	catacacact	gggtgtctcg	ggcatggctg	660
ggagaagcag	agattccttg	tttgtttgat	ttctatgtct	tagccatcct	cccagtccta	720
gtagagagag	gcaaagtgtg	gttacagagt	ccagggaaga	tgggttctgaa	gcacccggga	780
acctgcctaa	agggctgaag	agtcagagta	gcaccatcag	attggtacca	gttttgccctg	840
aacgggggtt	gcagagaatt	cagggctcca	gcctgggggtg	cctgtgacag	cccagtgaca	900
aagcactcac	ctttcccaca	gaccacagcg	gacctctgta	ggctctgtct	ttggactcag	960
aaaccttgat	gtgatagtga	gggatggatg	gtgagaaaga	tgctgctgac	acagggctcc	1020
ccagaagcct	caaggtgccg	tagagtagca	tgcaacttag	agatcagctg	ctagtgtggg	1080
attttaggac	cccagctggc	aggcatagga	atgagctggg	caatttctat	gcgtaagtaa	1140
aggcaacaac	aatctaacag	gaccttatgg	cactagatag	taagcccat	gaaggcaaga	1200
tctctgtctt	gttctctgcc	atatggccag	cacatagcac	agtgatggca	cttggaagg	1260
gttcaatata	tatgttgaat	gaacaacaaa	ttttagtaac	cttatctgga	agccagagta	1320
ggggtttaaa	ctacttcccta	tccaacactg	cagcatgcaa	ttcatgtctt	catttagcaa	1380
gtatttcttg	agcacctact	acgtgtaagg	ctccgttgcg	aggcatccga	agcaatttgt	1440
cagcatcatt	catgttgata	ctcggagtga	cccgttcaag	agcacctcag	caccacctgg	1500
cttttctgaa	gactgaggcc	ccaccacaaa	cccctgtggg	gcttcaagca	ggggcagtga	1560
gagggcggtta	gacgaatgct	ccaggttttag	cccctttccg	ggaacagggtc	tgggtccctt	1620
cgcactctgcc	ctgctgggtcc	caggatcccc	gggcccgcgc	ttccgggagc	tgccgggtct	1680
tggcaactcc	gctttcctcc	gggggcccc	gtgcctctct	caagcctcct	ttccagccaa	1740
cgaccagcgg	ccccagtcgg	gctgcaggta	gctgggggaag	ggaccaagct	gtgccttggg	1800
agcgagcttc	cccgggcggg	gagagcgcag	cagatgcgga	gcgggtcccag	aacaaaaggc	1860

tcatggctgg	cacgggcctc	cttggagtgc	ggcggggacg	tgggttcggg	actcaggcga	1920
gagagccaga	cgcgaggaga	aaaaaatga	agtgagaaaa	gagaaggagg	gagagctcag	1980
ggtgagagcg	gtgagaagag	gtgacccgga	ggccgaggtc	tgcggcggag	ccgcagcggc	2040
ccttcctccg	cctcctgcag	cgcttccag	gcaaccaagc	gtgtctccgg	ctgcaactcc	2100
agcaagcgcg	ccgctgccgc	ctccacgccc	gcccgcgggc	cgcccgagcc	agtaagtagc	2160
ggcgcgccca	ccgctcgttc	cccgccccctc	cgcggtcttc	ccgccaccgc	ccaccgcctc	2220
ccgcgcggcg	gcgggcaagt	ccgcgaccgc	ctcccgtctgc	cccgagccgg	gtgcccggggg	2280
ctcagcgcg	cttcccagct	gggagcctcg	gtccgctgct	cgccctgctc	cctcttgccg	2340
ggcgcgggcg	tctggggcgc	gccgcgggga	gggtcgccct	cgccgcgcgc	tgcccggggc	2400
ccgcgcccacc	cctacatcca	atggctttcg	gggagcggga	agtggggggc	gtcgccgggg	2460
gcgaggagcc	gcggccgggg	tggggcgtgt	gcgctcagcg	cgcccgagcg	aggctgacgt	2520
ccccgcccga	gcgcgcggcc	gggagtgtgt	gtgcccgggt	gtgtgtgcgg	gagtgtgtgc	2580
gcacacgcct	tgggggctg	gagtgcact	gcagtgggct	tctccgtagc	cccagccttc	2640
aggctgcgca	gcccctaacc	tgccggcacc	gcttttgagg	agcagcttgg	ctcttccatc	2700
tccccaagcc	ttcctctcca	tcctttcatc	caccctcgc	cgatcttact	ttttctttta	2760
cccacggggc	cgcgccgggc	caccctctgg	ccggtgcaaa	cacccaagcc	ctctccagtt	2820
ctcccccaag	ctaataatctt	cccactgtc	ttttcttggg	gttctctcac	gagccagtc	2880
aaggctcccc	catcctcgga	aattgttttg	ttggactgct	aaaccgaggc	gtgtaaagct	2940
tgaggacttt	attattattt	gggttctttt	catttcttcc	ccttctgggc	aacgaagcaa	3000
tgaattttcc	aatcgagacg	ccaagaaaac	aggtgaactg	ggatcctaaa	ggtgggtgtt	3060
tcctactttt	ggctgccttc	gccctgcctc	tgtctccggc	gtgtgcgcgc	ttccttgagt	3120
ggaagcactc	ttgcttctgg	cagcgtgtgt	cctgaggtcg	ggaaatgcgc	ctgggaactg	3180
cagcgcgggg	gggaggaggg	cggaggcagc	gtgggttccg	aaccagata	gtgctgtca	3240
ttaccacata	atcattgtcc	ctcctagatt	gtctccagat	ctatttagat	agaccaagcc	3300
gactgttttg	tttgaaattg	caagtgtcgg	tatttgcttt	tgactttgag	tgtgcgagtg	3360
tgtgtgtgtg	tgtgtgtgtg	tgtcctttgt	ttctggtgat	ctttgtctct	ctggcagatg	3420
ggtgggggtgc	ttccccctgg	acctggagct	gcgcgcgatg	cccgggtgtc	ctcagtgagg	3480
aaggttttct	ggcagcaagt	ggggctcgag	ttgcagcagc	cgtccctagg	ggtgggccgt	3540
tctcgcaggg	catgcagaat	aatggagccc	acaggccctc	ctgagtcttc	gttcaatctt	3600
attaccaaac	ctagcagcta	gttaggtcca	ggtcagagta	gaagcaggag	gaggggtggt	3660
ttgtgagaag	ggtggggctg	gcaaggcata	ggggaggggc	acgaagtgtg	cccgcaccaag	3720
caatggtgtg	gtttgcatgc	ttttacgaat	gttgaccag	gtttcatcca	cgcaaaaggg	3780
agggattaag	acggatttgt	gtgtgcctag	cgtcgccac	cgtgtctgta	attagcatac	3840
agatgttaag	gctccaaggg	agtgatcagt	atgagagcag	aacaagtgg	aaccgcgtgt	3900
ccagttgtga	caagaatgct	cttttagcatt	tcttgtagct	catctgacga	ctgtgtcagg	3960
ctaggcaacg	cctctgtgtg	tattggaatt	gaaatttggt	tatttggggt	gcgtgtgtgt	4020
ttaatgttct	ttatgagcgc	atttcttctt	tttctccaga	ctggaaagaa	gaaaccatct	4080
tatttgttga	gtaaattgtct	taggaattga	ctggctattg	aagagtgagt	gaagagatac	4140
tgcccttttta	aaacactgag	gctgttacat	cttaaataca	gcccacacct	tctattttgt	4200
ctctacttga	aatctctgga	aatatggagg	tgtgcctttg	cttttttggg	gggagaatcc	4260
ctgaaaagca	tatttggttaa	atacctatta	catgctaaac	actgtcctaa	gctctggaga	4320
tacagtcaga	acaggaaaga	taaaagctct	gacttgaggt	ttacagtgag	ggagacagac	4380
ctaaatcaat	tccatggagg	aatgcataat	tcaaagttaa	tgtatgctcc	aggagagaca	4440
tcagaggttt	aagaaagtgt	ctgatagaag	agattgacaa	ggaccagaga	aggcttccct	4500
gaggacatga	cacttgga	taggcctgga	ggatgtatag	gagtttaattg	tctaaggagg	4560
aggggaattg	ttgcagaaga	gggaacagca	agtgcacagg	gcctgaggca	gaagaggtat	4620
gtgtatatga	tgaactgaaa	ggaggttccc	atggctacgg	cagagtgagt	gaagaggtat	4680
tgccctttttt	aaacaccag	gctgttatac	tgtaaataca	gcacaaacct	ttcattttgt	4740
ctctatttga	aacctctgga	aatacggagg	tgtgccttgg	ctttcttttg	ggaaatccct	4800
gaaaaatgta	tttatcccta	gcagagagca	agagggttgg	tgttttgaga	tatgactggg	4860
ggatccacag	gcgagacgcc	ccccccaag	ccctgtgttg	ttggaggtgg	ggtagcattg	4920
tggggttgga	agagtatagt	atttatctaa	agccaatgaa	gagtttcaag	acgaggagtg	4980
acatgatttg	agctaagttt	caaaacaagt	gctgtgtggc	tcttggtgat	gtaggggacc	5040
agatacaatg	gtagcatggg	ccagggtggt	tgctgtgggc	atggagaagc	ggacggagta	5100
gagagctgta	gaggacgtga	aatcaacagg	ctttgcatga	ataatgtgtg	gaagtgaagt	5160
gaaggaattg	gaatgactga	gatggcagcc	agggcaggac	cagtcttgaa	ggaaagctca	5220
tgagttcaat	ctaggacttg	ttgagtagga	catgtcccca	agccatccaa	ggggtgtgtt	5280

aggtgggag ctgtctaagt gctgggggtca ggatcttcaa ggaacagagg gagtaccgtg 5340
 agactgattt tgtgaagctg gctttgtgtt ttaaggtaca tttctgtgtg atcatcattc 5400
 tatatatcca tgttacagtg atgaacacag acaaatTTta cacattttac agcctgacac 5460
 agtgaagaaa agcatacaaa tagcaccttc agttacaacc agtgggtgcta aaaatgaaaa 5520
 aaacctcaat aaaaataaca acattttaatg agcaaccatt gcatgccagg tgcTTtatgt 5580
 acattgtttc atacaattat tttcacaata cttatctgat ggtataagtg ttatagtTcc 5640
 atttggcact tgattgccat catgacacca ctaatctgcc ttccagtTga gttgctctga 5700
 ctttgtgcac agttattccc aaaggtaggg gtgacagtag tctttttcta gccaggggat 5760
 ggaggaggga agagagtgag gagtgaggtg gcatatctct tatctgtata gaattatgtg 5820
 ctagggtgctc ttctaagtgt ttacatgtgt taatttaatc ttcacaaaca ttttaggaga 5880
 aaggtattat cctaattTTa cagatgagtt aactgaggaa cagagagttt gagtaacttg 5940
 cccaaggTtg cacagctagt aggacaagat tagaatctgg gctcttaaac actcttcaag 6000
 tctgtgtttc ttattgggac ttttggcttt tgccTggtaa ggTtcccaa gctcaggaag 6060
 tggagaagct tgttgcgagg aggaaaagga gaagagagag gatgaagagg aaaagggaaT 6120
 ggaataggag gaggataaaa gagaggaaga gagaggagga aggagaagag gagacagtgg 6180
 ctcaagctta ccctactTgt tccTTtctct actaacctat tcagacaata atctTTtcat 6240
 ttccatgtct gatgggcaag tcagtgacta ctggacagag tttgggtctc tgttttgag 6300
 gttctggatt acacagacca aatgtgtTTa gcagggaaaa gatgaagggg agcccagcag 6360
 tattagggga aagtggagag acagttcaca ttactTggac tgtaggatat gtctatcaac 6420
 agacatgacc cttcaggcgg aggtgctctc atgggtTctg gaaggcagtt gtaattataa 6480
 tgtttttctt acagccttat taccctacaa tttaatagca aaaaatgaag gtggTttgag 6540
 aatagattgg tttggatagc atttgggtgg attaagcaaa gcattgtcaa gaggtgtagg 6600
 taaaaacaag acccaaatat aaaatggTtc atctctggTg agctatggcc ttccttcata 6660
 ttcatggaac agagactTct acgaagagcg ttactgtTtg ttaggacct accacaagta 6720
 gattggTtct aagtcttagc tttcatagca gaatttacgt gcactTTaaa tcatcagcat 6780
 catttgtTga tgattTtctg cttaaaattg gtatttactt gctgcttatg tgtattaaga 6840
 tctttttaaa accagtgaga tctgcaaata gtattcctct cactagaggc aagcagatga 6900
 atacagtTga aaaaaacttt ggatttgggg gcaaaaatat taggttctaa aagcagctgt 6960
 agcaatactt agtggtaga ctttgggtcg ctaatttagc ttttctgggt ttcgttccc 7020
 ttccatggag aaaggagtca ttgcctTtgt ctacctctct gactTtTgtc cttcaacttt 7080
 ccccatcttg atctgatctt ggggccagtt ggcttccTtt cattcctcaa atagatcaca 7140
 cttgcatctg tctgagggcc tttgcgcttg gaattccac tgcttataat gcatttcacg 7200
 tagttggctc ctttctgtca tttgaatctc agctcagatg tccctctgtt agcaagggat 7260
 tccctgtctt atctgaaaga cctctcctcc tgttccccag caccatcatt ttctctTgtg 7320
 tcacctatTc gattgtctta ctggcacttg tcatgatttg aaaccatctc acttactcat 7380
 gggTgacatt tgatgccagc ctccTttact agcatatgag gtgcatgagc agggactTtc 7440
 tctgtctTgt ttattgccat aacccagtg ccctggaaag tgccTggcac tcaataaccc 7500
 tttgctgaat gaatggaagg ttggcaggat ggactggaga ggactgaagg ctttatgcct 7560
 catggaaatt gcaggacgcc tctcagctat aaatggcaaa gtacaaataa ggagaaagga 7620
 agaatatccc caaatagtgg catatcagaa aggacgtga tattccact tccTtgcaag 7680
 ctccagctcg ctctaaacct ccagtgcgt gttttccTtc ttttctcgtc tttgaccaga 7740
 agtaagaagg ctgaatagaa gtgcagtgag ggtggatggg tggactgatc tagcctgctg 7800
 aagatatggT cagtgtccaa taaataattt ggctcatatt agctattgga gtgtggctat 7860
 ttttaggcac tttaatccac ttaagaaaga agcaaagctc taggagtTga ggtggatttt 7920
 tttttaaatg ctacactTtt agtgcacact ttaatgcaaa attctggaga agccatacc 7980
 ttatgtgcat agcacctTtc agtttacaga acactTTtTa ggaatgatct catttgTact 8040
 ttaaaaaacc ctattTttTgt agggattaga gtcttagatt tactgacaaa taaagcaaga 8100
 tgtagaaagg ataaatgatt tatgtgggag cccaaagcaa caaacaggca gagctggggc 8160
 taccctaggc cttttgatgc ttacgtccat gacagTttcc ttcaagcttt ccttccTccc 8220
 agcgactTtg ttcattccac actctcctgc tctttgttac ccaaaagtgt gttcaaaggt 8280
 ttctctgaga gatttagagg aagcagTctc cctgttgatc agtgaatctt tagttgatgg 8340
 ctattttcag caggtTgtgc ttattgtaca ggtctacact ttcatctat gagctcaggt 8400
 gaagaccctt agatcttccT tctgctgtac tggctaaaag aagattTttg tctttTgtga 8460
 atgggggcca ttttcaactt gctaggtTgc ttaagtGcta gctttattaa cgtgtttcca 8520
 aacacacatt tgtggagctt agatttccTg gaaagaaaat aatctatttt tgatttaata 8580
 tccaattTtc aggagatcag tgttccaaat gggattTtaa atgtgcaaaa atcaccacaa 8640
 ttatcctcaa aagTaccaag gaacagtgtt ccaaagactg tcttggccaa gatttggTtc 8700

aggccttcttt tccagcagtg tctaaggagc ttcaccatcc tttttgctaa tcccagtgat 8760
 cactgggttg aattaagact gagcaggttg acttttctgt tccacacccat ttccaaaaca 8820
 tctgtacttt ggctccatat gaaccccacc ttaaactctga tgcatttaaa aaatataata 8880
 tagtctttcc cctcattagg aaacttcaac cacaactgag atatggtgtg aagtatattt 8940
 aatataggca cagtgaagta gtgatttctt tttgactttt agtctacagg aaattagagg 9000
 aagagtttaa tgataaaatg gaaagaagcc atttctactga tagccagtta ggaagtttca 9060
 gtttgacag ctccttggc tgatgcagaa aggtggataa aaatgacaat ctttttctgt 9120
 actctgattc ttataaaggg cactactgg atgatccaga tgaggttaga gtgagttagg 9180
 ggcttagctc tacatggcat gtttacagaa tctacctaac cgtggcacta ggagtgtggt 9240
 caccctgttg gttccacca cctgggtgat ttctctccat aagaatcatg gaggtcaaag 9300
 ggaccttcca cttctggggt ctggctctag ggggtactctc agcggagact ttacagttta 9360
 tctatgtctg gctcattacc atcacctaca atggggaaat aaagacctca tatttacttg 9420
 ctagaacatc tatttgtcat ttgcagccac agtttaagag tttttttttt ctccctgtga 9480
 gtgtctagga ctgagtactc tgaattgaaa atgaaacctg acttcctaact cctccattta 9540
 ggggtgaagg gagggagtaa gggtcataat cactggcagg ggagggcacg gtcagtgggg 9600
 agcattgcat tcttttctt tgccattccc agagccagg agatggggag ggggtggcat 9660
 tggaggtagt ggggatgagg ctgggagatg gatgggattt caggagattt taggttttgt 9720
 attaccaata actgctagtc tcatcactta ccttttccat ggaagtaact ttgaagcaga 9780
 gtggaatggt ggggaaacaa gattagaaag gaaaacatag gatttactgc catacataag 9840
 ccaggtgatc acagggaaact tttccttcat tctctccgtc cttcttttct tcattccctt 9900
 gttccctccc caccgccatc ccccaaatc ctgcagagtc ttgatctcaa ttgctctcgc 9960
 ttgtgcaaag ggtcctttct cccttactca actaccagt gtggtggggc tgggtgtatt 10020
 tacagtttaa aaagagttgc ttgaatagaa aatgaaaatt tggctgggtg atggagagcc 10080
 tggaagtcac ggtaaccttt gcagacgcct aaaacaccaa tattcataat tttgacatgc 10140
 aagctagcaa caattttact accaagaaaa tgagtttctt atgtgcaagc agaactcgag 10200
 atccctaaa taatcacaca ccaaatattt agcatgataa agataaatag tatagcttac 10260
 taaatttaat gtgatatgag cctgacaggc agaatagaga tgcttgatat taggtgtgat 10320
 aaaaggtttg acatccaaca ttcacttact tctctctctg agacaaaagt caggcaccaa 10380
 gtgtttaaga aaaattgatg ggaggaaaag cttagagatg aataaagtct atttattaat 10440
 ttatattttc ctctgagaac tggggagtggt tgttaccat gttaactgtg gactaacctg 10500
 ggccagctcc tggattctac tggctaagaa tgttgcttta ggccaaagga atttatccct 10560
 catggtggaa tttgaggcca tatgggaggt gattatgata gatctgtttc ggccctctaca 10620
 ttcttacaat aacctgaaag gagattaaat acatgttata gtcatttaac ctgactcca 10680
 ggcaaaatgt caccctctgt acagtatagg agcttaggat aggagacctg gtttctaggg 10740
 ctggcgctgc cactcattta gaaaaggagg gagttgagtt gttggttgtt gagatccctt 10800
 ccttccctga tagtcttaga ttgcctgagt cctaatacaa gcatgattta ctgaggctg 10860
 atttgggaac attgcttcat ttttctgtga cttggtatct tcatctgcaa gatagggata 10920
 attacagcca ttacttcttt ggtttgttat gtggattaca taaagtgata catgcaaagc 10980
 tcttagaaga atgccggatc atcatgaagg ctccatgagt ggtacctgcc ttgtgctgtt 11040
 ctacagttg caggaggcag cctgtgaagt cagggtagcc tccagctcag cctcttgga 11100
 gcatctggtt cactgtctgg atcatccagg aagtgtcca tagcagagca caacctcct 11160
 gatactctgg aagactctta gtattcttag ttcagatgta aacaacctag gctgtcctgg 11220
 ttaactcaga gaaaagacca gtgaaagaac atggcttgga atcacaatat ttgagtctga 11280
 gttaatgtac ccattttatt agcagtgtat catagttgat ttcggctgct ttaataaaat 11340
 tccataaact agatagatta tagacaacag aaatttattt ctactgttc tggaggctgg 11400
 gaggtccaag atcaaggcac tggtagattt ggcactggtt gagggccac ttttcagctc 11460
 atagatggtg ccttcttgct gtgtccttac acggtagaaa aagtgatggg tctttcttgg 11520
 gcttctttga taactgcacg aatcctaate atgaaggctc catgcccatg acctaatat 11580
 cttccaaagg ccccatctcc taataacatt accttgggg ttaggatttc aacatatgaa 11640
 ttctgggggg acacattcag accataaacac tgtgtgaact tggccaagtc acctaacctt 11700
 tcttagcatt agttttcttt tgggtaaaat aaagatcaca ataacaacca cttcacagtt 11760
 gctgagatga tcaaagtaga caaatgtgaa taaacttcat aaactgttaa attccagacc 11820
 aacatttccc aaaatgtgtt ctgtgagaca taagctagac tcatcagata ctctgagaag 11880
 aaaagtgggt tcatggtaaa gtcagtttgc aggatgatac gtgctcagtc attcctagag 11940
 agtcatcatg cacgttagca tgttactgta ttattgtgta acaataaacc ccaacattta 12000
 gtggcttaaa tcaatataaa catttattat ctcataagtt ctgtggatca ataattcagg 12060
 gatagtttaa ttgggtggtc tgactaggag tctgtcattg attgtggtca gatgttgtcc 12120

B2

gggctgctgt catctgatgg cttgactggg gcaggaggat ctgtttccaa gatggtgtgc 12180
 tcatgtggct tgcaaattgc tgctgggtgt tggggagagg gctcatttcc tgccaatgtg 12240
 ggctgtgcc tgggatgctt atgtgtactc atatgtgaca tgggtggctgg cttccccaag 12300
 aacaagtgat tcaagagaga acaagggtga attggcaaca ctttttatga cttaaacttca 12360
 aaaatcacat attgttacca ccaccacgtt cttttcatta gacgccagtc actaaagtta 12420
 gtccacatct ggggagtggt ggggggtgat acattcacgt tggaagggag acatgtcaaa 12480
 gaatttgaag acatattgaa aaatcacccgt aagaattttt tcctatcatt tattgaatag 12540
 gcaccacgtg ctaggctaaa tgctttgtag ttattatctc atataatcct attcataatc 12600
 caaagaaata ggtgaaatta ttatctctgc tttctgaatg aggaggctga ggcctataga 12660
 gcttaagtaa cttgcccata gttacctagt catgtcacga cttgaaccg agtctgtctg 12720
 atttaagcc tgaactctta cctctgcctc atatgcctct ctctgataat cctgtagtcc 12780
 agaagtctgt ttaattttgt ttaagcctgc attttctact taaccacaga atgatgattc 12840
 atttaactcc atttttacc tttcatttac caacggcttg aaacattatt ctagaaagac 12900
 agtgagcatg atgatgattt atgtataata tgaacatatg gtctcataat agatcccagc 12960
 atacctatca gtccaaactt tttgtattat tcaaatactg gaagtgtcta ttttgccctgt 13020
 cttgtgtggg caccatctat gtgtaaatct gtaaacatta atttaaaaaa aagaccccat 13080
 aatccaccct attttttctg actgtgaaac tagaggtggg gtgtgataac tcatgggtccc 13140
 acttctctta cagagtcctt ttctttgcaa tgtcccttct tttacagatt cagtactga 13200
 caacttaact ttcttggtta aagccagaaa aaacaggatg gcctccaggc cgagcagtag 13260
 aaatgctggg gaatgggggtg tctgggtgtg gtctgggtgtg ttctgcagc gcctgcaggc 13320
 catgtgtctg tatggtgact gaaacgcaag tgggcatcca gccaggatgg cagggaccgt 13380
 gtgcctgggg gtgacggcaa acacacagtg agaagctgct gatggaggga ggaccgttag 13440
 cactccttgt catattttga gtaaaccatt ttttacaatc ttgttgcttt ttctgtacag 13500
 tcttgagaaa atgattttcca ggaagcagga tgcattcaat gacttagagg ttcccatgtt 13560
 tccaaacatt acatgacctg cttatttctg aggcagtttt gtattctgaa ggaagttttg 13620
 gagcttctgt gttctgggca gaggcagtg aatatggttt cttttgagta gcaccgtgga 13680
 cttgagaatg atcaggagct ggacattggt gaatatgtca cttactgcac aaaatggcaa 13740
 agcaggggtc tgggacagg tgagagtgtg ttgaatggag atgcctgggg cccagtcac 13800
 attcaggagc gcactgat ggcattctga accatagtaa ccaagagtgg aaaaagtctc 13860
 aggatgcaa gacgccactg tgccccctt ctggttctgt tgttttcccc tctattcttt 13920
 catccagaaa ttccccatc cctgccccca accacctga caagggactg actttcaggg 13980
 tggtttctac actggtgatt ttaacttct actaactcaa cacttctgt agccctttt 14040
 tcagttctga gatccacaag gattcattat gatccagact aagcctcatg cacctaattt 14100
 cttccgcttt tccattttta ctgtgaaat tggctctaag tctgtagta tacatactct 14160
 agacttattt acagctgggc ataacaacgg tggctcatgg cactcaaagt ttccagtaac 14220
 actcctgcac tcacagtctg gtatagatca tgagattttt ttagatgtgt tttaaatgaa 14280
 cagagaaagg caatgaggca caggaaagag agcctgggtc tcttgtttg agatgtgggt 14340
 tttgctactg gttggaaagt gaggtgtggc atggcgcag aggggtggga gaggtgggtg 14400
 atgctcaggt catgtagggc atagtaggtc ttacttacta aggaactctt tttttctgag 14460
 aataacagga atgtcttgat tgatttgaag tgggaggatg acacaatcag atttttaaaa 14520
 gattatttaa atcgctaata aatcaaatga tgggttcagc gaatgtttgc agaggatact 14580
 tactgtgtga caggcatagt gctggcctta cctggggtat ctgtgtattc ttgtaggaat 14640
 cctacataaa agctgttaaa atattttaac agaaaaaagc ttttcttgac atctttgaat 14700
 tatgacaacc aattccaaac ttctgggtgc aaatgggagg tgtatcttaa agcaatggcg 14760
 attgcatttt caatttctgt tcattaaaat gatattttcc ctggccttgt tacatgacc 14820
 ttgattctgt gataatttgc atatctagag tcatgaatc aatacatgca aaactgtggt 14880
 gcgctcgctc atattctgtt atacttcaga cgccttttgg aagcatgtgg ctctcagttc 14940
 agcataatgc tctgataaaa attgccccct ccataaccgc cgtcactttg ttctgggtgt 15000
 gtccagagg attgtaacat tggggtattt ctcctttgac tctaattgga cccctgcta 15060
 gttgtgttct tgtggcctca gcttggaagg cctcccaaaa gctgaatta atgaaagctt 15120
 ctgatgtgcc gatccctttc tctggcagg tgagaacgca gtttctatag gagcgtgaat 15180
 gcctgctgct caggcaataa tctctgcatt cagcctcagt actaaagaca ggcagagcag 15240
 acagccacag ggggtgggat ttgaggagcc ctataaagtc cctctccaca gctgacacac 15300
 accactcctt cccatgacta tcaggatgcc tacaatctta acagttactt tattcattgg 15360
 ctgttgtcac tcatccatct ggttattcca taaacactta gcgagtgagt gcctgcagaa 15420
 atggggctag gcattggaca cagaaagatg aaaaagacct gaggcgtgta cccagagaag 15480
 tcacagccta gccactgaga acaggtgcat catcaagtaa ttatgatata ccatgataaa 15540

tgcatatcat ttatatggta tatgatatac catatgatat gggatatgat ataccatgat 15600
 atatggtata tcatatacca tatgatatgg tatatgagag agatatggat taaaacatca 15660
 gctccagaac acatcttggt aacatgcgaa tgtagttcct cagggttaaca aactaatttc 15720
 caattaccg tgggtacagc caaattaata gttcctatga gagaactgga ccaagcagag 15780
 aacagcaact agggactgat atgtattgat aggctggtgt caagtgggaa ggggggaagt 15840
 cagggtgctgt gtagggagca gactgagagc tctggagggc aggagtgcc ggaaggtcac 15900
 tgaaagcaac ttttcatttg tgcaaagtgt gtcagaggtt gctctgctca tgttaaactc 15960
 actttataaa gtggaaggaa cttttaagat atccaagtcc attgaggctt cttagggcaa 16020
 tactgaatct agattggtga agtgacttgt gcttgcccag acagcaaaaa gaggacaaag 16080
 catatctatg aaccgcgaat gctaaccttc attattcaac agtgatgctt atggcaatgc 16140
 caacgggtgt tggggccttt tattaatttt taattttagt tttttatggt tttgagacaa 16200
 gatcttgatt tgtcgcccga gctggagtgc agcgggtgcaa tcacagctca ctgcagctc 16260
 gatctcctgg gctcaatcaa tctcccacc tcagcctcct gagtagctgg gactataggc 16320
 atgtgcccc agacttgga aatttatgca tttttttag agacaggatt ttgccatgtt 16380
 gccaggctg gtctcgaact cctgagctca agcaatccgc ctaccttggc tcccaaagt 16440
 gctggaatta ctggtgtgag ccaccgtgcc ctgctgctt gagccttttt gctattctcc 16500
 ctctatggg aaaaagaatc gagaaagagc agtaggctct actagagtct ggagcatatc 16560
 ggttctgaga tttcagatta aattctctat gtctgcagca agtacaaatg tgagtgtata 16620
 ttcagcctct tgaagaagac atctatccat ttcttcagt aatatttgcc cggagtcttc 16680
 ttcgtgacag gcactgttgt aggccctgga ggtacagcaa taaacaagac gaagtctctg 16740
 cctcctgaa actaaccgtt tagccaaggc ttagcatctc tcacactcag gtcaacttct 16800
 gcattttaga aatctgtttc aggcacgcat ttgacaagta aagaggttcc aaaaatacat 16860
 taataaggat gaaaatgagg ccattctgat attccattgc ttggcaaaaa tgetttaat 16920
 gggaatttaa tatggaatgg gtgctgatgc tgtcaaagg ggtgacattc tgttagaaaa 16980
 ttcagtgatt tcaaagaagg cctcagagct gcctagtttg taattagata ttttgaagaa 17040
 tctgtgttaa ttaggactct gtggcttgtg catgtatact gggacgagac tggagtttgt 17100
 gtctctccca tgatgatggc atgtaaatta atctccaagg aattgcaaga tgctgaaatg 17160
 tgaggtactt gagtacagtg tgcagagtg cacacaagtg tgcctgtgcc gggatgcgtg 17220
 tgcacgcgtg cacacacata cactctagca catagtaact ttttctaca cgtgatttcc 17280
 aaagtgtcta aatttacatg tcttttgagt agggaggaaat taggactttt gtctgttata 17340
 tgccttgcat tctcttgccc ttctctgggc tgctggggca gaatgaggcc aacagagaa 17400
 cacggatgcc agtctgggtc acaagggtt aaggaagcag cagatggttg gactgactgg 17460
 ggtgtccatt aagaatccag gggtagtgag agtcttacct ggagtttgag gccgcacttc 17520
 cattgccagg actctcagct gagtggtgg aagagacctg taggagccat ccttcagta 17580
 tctatcagag gtttctgcac tgttttaagc tcgtcctagt gatcgaggga accttgactg 17640
 ggggtgctga tgattattaa cagtggccat actcccacgg ctgcaggtgg agatgaagtg 17700
 tttgatgaga agatgagcaa gagctcaggt gtgccccacc agctctgcca ctccaagct 17760
 gccgaactta ggcactaact tacctctctg tgtctgcttc ccaacttgag aaccggaaat 17820
 gataaaagta cctgctccct agggagtagg tatggttaa tgagacctct taaatgagac 17880
 catgcacagc aagagcagag cacagtgcct ggcacacagg aggcacctaa taaacatcaa 17940
 tgatgctgct gctggttaaca cccatttgct gagggctctc agtggtcag gcacagtact 18000
 cagtgtctaa catataatat gtaatttatt cttcacagta gcctgagtca cttgcttgt 18060
 cttctggtta atatcctaatt gtttagctca ccaacttaga tgctcatgac ttccaaagga 18120
 tcttcatgta acaaggactc catatctatt tttaaaaaat aagagcttta ttaagatata 18180
 atttacatc cataaaatta cctattttaa atgtacaatt cagtggtttt tagtatattc 18240
 acagagtgtg gcaatcatca tcaactatcta attgtagaaa attttcatga ctccaaaaag 18300
 aaactccata tccattagca gtcactcccc attttatctc tcccagtcct tggcaagcat 18360
 gaatttactt tctgtctcta tggagttgcc tattttgggc atttcatgta aatggcatca 18420
 tacaacagg agatatttgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtcagct 18480
 tctttcacgt aacataatgc tttcaagggt tcaactcatg ggcattccata cctattttga 18540
 atgaagaatg aagacagtca tctgagacag ttgtattagt ccatttgga gatgaggaaa 18600
 ctgaggctga gagtgtgtat gtaatttgct catggccacc catcttgaaa gcgcttgagc 18660
 tgggatttgt gctcaggtcc atcttggtc caaggcaaga ccttggcctt ctcatccact 18720
 cactggtctc tgggtggacc tctgcatcat gctgaacacc atttctatag agatgggtgt 18780
 gtcccactgg gtgtggacat cctgaggaat tgctgtggtt gcaagaactc tgatattttc 18840
 catctacctt gagggggata tggtttcatg tctgtatact cacatagtgt tgaccagtct 18900
 aattcttttt tccatttcct aagggttatg atatgaactt ggaaagttac agaaatgaaa 18960

B2

gtgataggag agatataactt tctggggttg aaaccagca accagtcact caatatgatg 19020
 gaggaatgt catccttctt gtgttgctt caataataga ttgtaatgaa acactatggg 19080
 gtcttagttg gctccccctc tgccccgtgc cccctcccc agccccagtg cttttctgga 19140
 gacatgagat ggtgtatccc ttcctcagtt gctgtgatag cagtggggat gatggggaca 19200
 ggtattcatg gaaggaaaag gcatggtacc agcaggctct tgggcagga tgtgtgtctt 19260
 cacttgatca tcagggaatg agctatcatg atgacagagc acatcctatg aagtacaaat 19320
 cttccccac atttcccaa aattactttt gtctgtctt gttctctcac atgctattct 19380
 agggaaaagg tcccatttta tcattaaaat gcaaagtga tttccatctt gcttctacca 19440
 aagaaggagg aaaataacct atataaacac catgaaacct tactttgact taaaactagt 19500
 ggaaattggc ccctgaatca gataattagc tgaaagtaca tgaacaattt aggcctccgg 19560
 tagtggttat gtgcttgttg tataaggaatt tcgtctacca tggatttcat ggaagtggcc 19620
 ccattcctgc tctgggttta tgtaagactt tcagcagcag cccagtctga tgtagcagat 19680
 gttccagtgc ctgtccctat cctcctgtct gcaccacttc agctcatgct ggctcacttc 19740
 tgactgcaa cttggcattt tttttgcctt tttcttgact gaggctactt tgctgtctcc 19800
 atggaaggca ggaagtgttg gggaattagt ggacccaggg agggagccctc aaccaataac 19860
 tgatggaaga tgggtgcgtaa acaccccaat tccctcagcc ttgggtaggg taactcagga 19920
 atatggttta catgggggtcc cagtttctct tgtaggaaaa attccactgg gcgacagcag 19980
 tagctagtta gaaacttcac cttttatttg ttttcttggc tgccttccca gccctttctc 20040
 ttttctctaa ttccctactg gcgatttctt cacttcccaa acaaaccact tgtgtctcaa 20100
 tcgtaattgt aggatcagct tctggggaaa ccaaagtga gacatatggg aaagcttccc 20160
 tcttttcttg cctttctgcc ttttgccca atcagttagc tttgatgggt ggagtgaggg 20220
 gatgctcaac ctctcaggca ggctaattgg tctcaggaga cacaatccac agctgattgg 20280
 cagttttctc cccaagatat cttcagaaca aacctgggtg ctgggtgagt atccatgcag 20340
 catgaaaaga gaggggtgaag cttgatgagg catgttccag tctcatcaaa ctattttgtt 20400
 tccataattt tccttctcag aaaagggcag aatcaagtac agttgattct catcatttat 20460
 ggtaattctt gtgttttata aagtgtgtgt aaatcctgaa ttagcaataa gtgaaccgtt 20520
 gcttttaggg gaaatatacg gttaggttcc tgtgagcctc tagtcacaac attttcttct 20580
 tcttcttctt cttttttttt tcgagcttag ggtcttgttc tatcaccag gtgggagatgc 20640
 agtggcgca tcttggctca ctgcaacctc cacatccag gttcaagcga ttctccact 20700
 tcagcctacc gagtagctgg gactacaggg atgcaccacc atatccgggt aacttttgta 20760
 ttttttggtg gaggtggggg ttcaccacat tggccagggt tgtctcaaac tctgacgtc 20820
 aggtgatctg cctgcctcgg cctcccaaag tgctaggatt ataggcatga gccatcacac 20880
 ctggctcagg cacattttca tcaactaaat acataacctt gttgtatgtg tgtttctgtt 20940
 taaagacatc ttatttcata tatactgttg atttgttagc attgaactca cagccacagc 21000
 actgtgactc atttctgaac aaagtatatc aacacacata ttttctccat aaggcacctc 21060
 gcatcttgca cttaggaaca ctggatagca cttcagcatt gcacttgggg gtgattttaa 21120
 acagtcaaaa cactaacaaa aaagcacaaa atgtgaaaaa catggcacta aatagatcac 21180
 agaattggaca ctagcttaca gcatgagcgc tcgaacaaga aggcagagcg ctgccttggt 21240
 caacctcagc tgaggacatg tgcatcgggt gactcaaaact tttttcactg ctgtgtgcat 21300
 gactgcgaat gactgcagaa caccatgaat attgatttga tttcgggggt acaaataaat 21360
 tttaacacgt agaagaattt gcaaatatat attcagtga taatgagggg cagttgtctt 21420
 tcttacttca ttacaataag actctacttc aattcagtat ttttatttca ttttattttg 21480
 tttttgagag atagggtctt gctctgtcac ccaggctgga gtgcagtggg gtgatcctag 21540
 ctactgcag cctcaaactc ctgggctcaa gtgatcctcc cgccccagcc tcccaaatag 21600
 ctaggactac aggaacatgc caccacacct ggctaattta tttatttttt tgtggagacg 21660
 gcctccctat gttgcccagg ctggtctcca actcctggtt tcaagccatc ccccttctca 21720
 ctctcccaa gtacaattta gtatatattat taaacgtgtg ttccaggctt tttgattgct 21780
 attgagatgc taatgagatg gtccctgtca ttaaagagcg tccattctgg tggcacaagg 21840
 aactcaaatt atgacacaag acagaatacc tactccagaa gagagtctct tgaaagcgtg 21900
 aaggagggac ttgagtgtgc gattcaggaa ggacttcaca ttggaggagg tttttttaga 21960
 taggtcttga gaaacatttt acattttgaa cacctcatac atcattgata aaaaaagaa 22020
 gcaattgggtc gaaacaactt catttcccca gatcaagtct tctaggttac ctgcatctgc 22080
 acccaccagt cccaccttga ttctctctca gatgaagggc gtcttttctt acctaaaggc 22140
 gtcccttctg cttatgtctg ggactccttt gctctttggg gcactcctct ttctcctggg 22200
 gaattgatct ctccctctct acttgaatat tccactagt gtatacatgg gcttccgtgt 22260
 catccccctt gatcccgcat tgccgccagc caccctcat tcccttaggc ctttcacagc 22320
 aaaattgctg gaaagggtgg tctgaagtca ccatcactac ttctccctc cacattcttt 22380

B²

ccaagccacc accactttat gggggctgct cctttggagg ccacttatgg acattgcatc 22440
 acctttctgt ccttttatct taagtaccag ttaggatgct ttcagctgcc tgttgagaa 22500
 tgtcctgata caagtgactt acacaatacg gacattgact gttaagagag ttacgttctc 22560
 actgaacaag gatgttccag gcttggcttg ggtgtttcat aacaccttca aggaccaga 22620
 cttcagtttc ctgccctgcc tctcttgatc acatcagcag atattatgtc gtctaaaaac 22680
 agggaaggga gtgaagtagc ctctgtgttt ttctttttat catggaggat gttttttttg 22740
 ccctgcaagc cccatgcaca tttcttaaat atcacccctt aaactcatcc ctggcaaagg 22800
 gggatggat tatccttatt ggcttggacc aattaagatt catccctga gtctgtgaat 22860
 gggacgcac ttctttgaaa tgttgcatt taaccaaatt tggatctgtt aaaggaaggg 22920
 ggagcgccta aggtgaaagt gccaggcagt gtctgccaca tttccctga ccttcctag 22980
 caattttgac agccagccac cccatccttc ttgaagcact tcatttccat cacatgcttt 23040
 gtgacatcat ttctctggg ttttatttat ttatttattt ttttatttat ttgagacaaa 23100
 atctctctct gttgccagg ctggagtga gtggcagat ctcaattcac tgcaacctct 23160
 gcctcccggt ttcaagtgat tttctgcct cagcctccca agtagctggg ataacaggca 23220
 tgtgccacca cacctagcta atttttgtat ttttagtaga gacagggttt caccatgttg 23280
 gccagactgg tcttgaactc ctgacctcag gtgatccacc cgctcggcc tcccaaagtg 23340
 ctgggattac agtcataagc caccgcgctt ggccgctctg ggttttcttt taacttttct 23400
 ggccactcct gtttctgtt gactccttct tcattgctct acctctaatt ggtggaatgc 23460
 ccaaatagtt agacctgagg tcttcttctt caggatctgt aggttctcct gagtgatctc 23520
 agcagtcctt ttgtatcatc tatatgccga gtatatccta aacttgcttc tctcaagagt 23580
 ttgtcatctc attgaatgag tttcccatct cattgatggg caccgccatc tatctgtata 23640
 gttgcttaaa gtacgggcat gttgcatgag tctctgtttt cccacctctg ccattttgtt 23700
 ctccactcac cagcaagtcc tgctgatac gatatacaga acacatccag aatctgtttg 23760
 tttctctcca tttctgctcc tgccacctc attccacgca tcttctgtg tggagagctg 23820
 acagcctttt tatcggcctc ctttcttcta ccttgcctcc caataattga tcttccgtgg 23880
 aacagccaca atgatctttt aaaaatatga atctgatttc tcttgaccg cagcttaaaa 23940
 ttctctatcg gttcctcttt ccactcggca taaaactgtc tttctgggtgc tggcctgcag 24000
 caccctgagt gctggctgtg ctgacctcct ttccaaggct ggtcttgagc cgtcttctc 24060
 taacctatgc tgcacttctt tctgctttcc ttgaataaaa caagctctc ctgactctgag 24120
 ggccctttacg ggacctcttt tttttttttt tctcctagga ttatcttctg cccaattttc 24180
 ataggactgg cttctcctcg cctctgaaat ctcatgcca atgtcatgtc ctccaagaat 24240
 ctttctctaa ccgcccactc ctgctgggca cctctgttg tagcatactg ttaggagtct 24300
 ctgcatcatg cctctaactc tttgaaaaaa agttctattt gttagttaa taaactaaaa 24360
 ctaaaaaatt tataaaccaa atttcaaaat tttaaaaatt aataaactaa aaacagtaca 24420
 atgatatctc tgtgaagtca agggaggaga gagttttaag aaggggaact taattagcag 24480
 cactaaaggc tctacaacga ctcaagataa tgataatgat gatgatgatg atggtgataa 24540
 tgacagtgat aactaacatt tattgttact atgaacctgg aagagtgccca ggcattttgc 24600
 gtacattatc atatttaatt ctgacagatt aaaagtcctg acaatgcctc tactgtcaag 24660
 gaatgttatt ctcatctca gaacactgag acttagggag gtcagtcaaa gtgcctggca 24720
 catggtagct ttcgattaat gtttgctatg tgagtaata aatttccaca aggtcctgga 24780
 gctggtgaat ggtagagttg agagtctaac ttagatctga ccgaatccaa agtccgtatt 24840
 tgtaaccact ggtctatatt tgctcagatg aagacagaga accccttaac agattgagaa 24900
 aaggaagcct aatataggat aaatgatttc ttatttattt aaaacatgat aaataaaatt 24960
 aattttcagt ccaaaacctt ctgaattttg gaattctgga ctccattcat tcaattcatt 25020
 tgaaggcata ggtgagttct ttaaaagaag cattaggaat gaatccagat tgaacaattt 25080
 tcttattaaa ataccctaaa gatgcattct tatgatgagc cagggtcatt gtccaggaaa 25140
 gctattaaaa ctcatgcttt gtgatgagtg cagtaagaac cccacttgaa ttacgtagtg 25200
 agcaggtgct tcctaaacca agtttcatgt ttgacaagct aggagagaac ccagtgttaa 25260
 atgttttctg gcatgttggc ctttggtttc tcatattatg ggacatatgt ttagtgcttg 25320
 tggatatatg ttagcctact cttgtaggat gactgagacc tcacacaaca tcaaggacat 25380
 agtctttgcc tttgctgagt tcagagtgtg attggagtga tgaaacatac atgtgaataa 25440
 atgcaaagtc acaagtaaag acagttaatg tgattgatga aggacgtgtg gcacaagatg 25500
 gataagaatg agaagtagaa gaagtaggtg gttttgaact ttcgttactc agggaaggga 25560
 atgtatgtgg attggtggag aagagagggg aggaagatgg ttttaagcac tggtaagatg 25620
 gtgcatatth gcaagttttg ctcaagggat agaaagggct gagaccagat ggggaggaat 25680
 cagaggggaa tcggcaaaga gaattagggg aatgagaact gtcagtagag gaagttagat 25740
 taggctggcc gggagctatt tggggtttct gagtactgat gttacatgaa ggaatatttg 25800

B²

tgagggataa atattgcagt ggggtgcattt gagagcaaaa ccagattcag gcccagttag 25860
 ggaaggggtt cttaaacgtc ggcctttcct atgccatctt cacttttttaa ttttttgggtg 25920
 gccatattta gatatcagct gtgtcactat atacttaata ttttctgtaa gttgatttca 25980
 cttttaaaaa cttaaattta gctttgcccct atgcaataaa cttatcattg tttactgaat 26040
 gcttttcttt aaatttaacc ccttaaactct taaataaatg tagccttacc ccaagcacta 26100
 gtacctatga aatcataggt attctgtgct agttctattt ttccaaatgc acagtaaatt 26160
 aaacctgcgg ccattaaaaa aatggttgc atgtgtgtta cctaagtctg tcttgtgtac 26220
 ctatggttca tgtgctacac ttttggaat acccaaggca ctgttacagc tttctaactg 26280
 tgacatgatg aaactgaata aataggagcc agctacattt attagatact tactgtgtgc 26340
 aagcccttgt gatggaggag atgaacatat gatgcagtc ttactcttaa tagatttga 26400
 acaaagcaga gagagaatgg cacaccaatg agaaagttag atgtaggcct gacagggtcca 26460
 atctctgcca tgtaaagcag ctttttagata agccatctga tatcagctct gccactggtc 26520
 agctgagtga gctgccactc tgggaaccaa gggtaagctc tcctcaaatt cagttcactt 26580
 caacaagtat ttgccagata ctatatgaca cttttgcaga tattaaggaa attaaagtgt 26640
 cttagggagt gttaaaccag aaaccaaagt atgaagtggg agacagagtg gaataaggac 26700
 tgtaagagag atgcaatgac atgtattcgg tacttacggg aggaagagtt tatagccagc 26760
 tttggggacc agggaaggct tcctagaaga tgtgtcattt cagatgaact ttaaaagatg 26820
 ggatcataca aaaggcagtg atggaggggtg ttcagcagag ggaagggcat catcatgaca 26880
 acagagaggg aaactgaggc acctgtgagg agaagagcaa gtctccgttg tttgggtggg 26940
 atgttggggg catgaagggtg gaaaggaagg ttggggctct atggatacct tacatgctag 27000
 gttgaacatg gatttatttt cacagatgat caggagccat ggaaggctac actagctggg 27060
 cgtacataat ttaagtcaga gggacaaata actgcaagct aaatactctt agggagaaac 27120
 tgcagcaatc tgggtgagaa acaatgaatt tgtgagtagt caccatagca aaggtctggg 27180
 ctaggggggc actggaggag tgaaaaagaa aggtttaaat agtcactgag agggctgagg 27240
 acccactagc cactggcata gtggagtcaa tcatttctcc gaaattacga ggaggagagg 27300
 tggggcatct ctaaggcgtg gagcagtgga ggatggtagt tgtatggtag gggaaagaag 27360
 ataatgatcg cagttccagt aggtgatgga tgaggagggg aaggcgtttt acagattatt 27420
 cactgggaaa gaacagaggc agtccacact gtagttaatt ccttttattt ttgtcttaa 27480
 gtatactcaa ggataaatg ccatacaatt tctgtttggc ttttcatgct ggagagggtc 27540
 agaggttgca ctgaacgttg acgatattaa ttttgacttg tacaagggtg ctgtgtcctg 27600
 ggaactggcc aataatattc tatgaaaagt catttgagta actcattttt atacataaaa 27660
 taggtagtct cttttcaatt tccttatatt ttgggatact tacatgccag gattcctcta 27720
 tttcaatctc ttgttttcta cctgaaaaga tcttacggtt ggtggctgtg gatgcaattc 27780
 tgcctttaca cagaaatgac tctcctgggc ataccttag gcaaagagca gatgaacgca 27840
 taacgagcag ctttgagatt tggatttccc actgcagaac gaagagaagg gtggccact 27900
 ggaaatttcc tcagagaaac gtctaagtct gcattctcca catccattca ttttcatgca 27960
 tagttctttc atctgttggt ttttaattta tctattttat ataatgtcta tctctgtagt 28020
 acctgggatg aaatgcgcca atcctgactg caatgaatag ggcaaagcaa ttcttgggag 28080
 ctgctctggg caggaagtgg aggtgaatt cttttaaggg aaaatttttt ggggatcgtg 28140
 actcactggc cttcatcccc atcatcactg ggattgggtt agtgccagga aacagctgga 28200
 agtcgacaga caatttaggg taaaaatgaa aggagaagtt actgttaaag ggatctgtat 28260
 tctctgttat caaaaccacc aacgctgtct cctagctaag aggaaccaa actgtgccct 28320
 gagaatgctg ccagatgttt ctcaataggc acgttacgtt ttatggctct ggatgctgca 28380
 cttaaaaata gtgtccaatt tcaaactcac tattaagtag aactaaact tttggaattc 28440
 attaatggat ctagatctcc aacctagtgg caacaaatgt ttgaagtga gtttattgtt 28500
 ttaagtgaat tttaaatgtg aaatgatgag tatttaactt caattttttt gcatgatttt 28560
 tccactgtgg caactttcct tttaaaatga tagaacctca ttataatgtg gctgatagga 28620
 aatctgttta ttcattgcata tatttattca tttacaaata tttatttact acctaccagg 28680
 ctctgtgcag tactccgata aactggaaca agagccatat tttgtacttt gtatgtttct 28740
 ccaagagaaa tgttctattg tactacatta attcttagat gcatttttga attatttacc 28800
 cttctgaaat cagaatgtgt cttactagca atatgtcata atttaattgg caatttaaatt 28860
 tttcaagagg cacataagat aatgatgtgt tttgtaattg acaatgtctt gatttgatag 28920
 aagatatttg tacaatacta tattgggtacc atgctttggc cgatgtaatg gtcctatttg 28980
 gagttcacta ctaatgttaa gcctctagtt ttaggcgttg atgttgggtc agggacacta 29040
 ggactcaaat gccagatgt ccaggtctaa gagagaagaa tcagaagggtg aatgcagagc 29100
 ccagtgggtt caagccatgt agacaataat agcagaatgg agagacattt tccgatgcct 29160
 catgtctatg catcttctct ccctttctgg cctgccacat aaattcattg cagtgcact 29220

B²

ctgccagata tcagaataga gcaggaggaa agagaaacag ctgcagcatg ggagatagga 29280
 ctcataccaa gagagattag gctcgggtgtg tatacctaag gatggtaaag tgaacaacca 29340
 gggttacagt atagcagcaa cacgcattta tgcagtgctc tatccacttc agaaacacta 29400
 tttttaaatg ataacaattc tacaagataa gtattcattg atcatcaata ttatccttgt 29460
 ttcatgtgta aaactggggc tcagagaggg taaaaaactt gtccaagggtc atacagttag 29520
 gaaatggtag aaccaggatt caggctttgc tccatggggc atcaagggtc gctccacttc 29580
 cagtgtgcca tgcagtttcc ccaaactctga gaacatgcat ttactttatg tccggttatg 29640
 tgaggctctca gaagccagag agggccagag tatgaagagt tacataaaaag agcttcagaa 29700
 tctaataaggg ttcctgagca agattctacc aatacctgga ataacttcct ctgtgtatag 29760
 cccagggtgca tggactagac cagattggga ggggtaggtt gccagcagg cccagagaag 29820
 gagctggtag catgggtgagt taagggtctga ggatcaagaa tttgttagtt taattagacc 29880
 ccccaaagag cagaagtgtc gttgtagtta agactctgga actcagtgat aggatatttt 29940
 aataaagccc atgatctcaa gaggaacttg ctgaatggat gagctcacag tccatagttg 30000
 ggagctaatt aacaacttta attatgtttc tgatactagt ggaggtgttc tcctgtcaat 30060
 gaattccttt tagattttga ccccatgtag atctcaagga aataaataaa taaataaatt 30120
 agttaattaa tttattttat ttgagatgga gtctagctct gtcgctcatg ctggagtaca 30180
 atggcacgat cccggccac actacaggtg cccgccacca cgcctggcta gtttttgtat 30300
 cagcctcccg agtagctggg caccatgttg gccaggctgg tctcaaactc ctgacctcag 30360
 ttttagtaga gatggggttt tcccaaaatg ctgggattat aggtgagcca ccatctcaag 30420
 gtgatctgcc tgcctcggcc ttgctactga agagccaaga agaattttgc aaattatgag 30480
 gaaatttaaa atgtttgggt tgtccaaggt ggctattcat atctgggaac taggaagaat 30540
 aaagagccca agctttcaa ctgtttctaa tgccttccca caagggtgac agagcaaagt 30600
 tccaagttgt tcacctatgc gaaataatct ccactgaatg gccagaacaa taacctttct 30660
 tgatttctat agaacaacgc tactgtcacc cttgtcacgg ctgtacttgt catcataggt 30720
 aatgacacac tacttaataa cttgtttggc tcaagatagc tcacaaagag ggtcataaat 30780
 atttattagg tgtcttttag agtttccagt ataagaacaa atagatgagc aaacacatat 30840
 tctcgttttc ttgaagagaa ttagaatat tcatttaaat attttctaag ggtagaacgc aacattatta 30960
 aacaggggtc atagttgact ttgggaccgt gcccttgaag tagcatatta aatttaagag 31020
 gaatacctga gaggggaagg tatttcaagt ctggaactga tccttaaggc aatactttgc 31080
 aggaaagaga aagctggcaa agaccagcca gaatctcttg tggtcctttg cccatgtagc 31140
 tgctggaatt tgtattttaa tttggattgc ttgaggcctg agtgtcatgg gcataggcag 31200
 cctatgagga cgtttgtata tatctgttgc ttgacacatt gctctggata cattgtacct 31260
 agtcattgga tcaacccatg atccagccca aaagagaatt gttgattttc aaaactgaac 31320
 aagaaatcag ccaagtggg tagggctcag atcatgcac caggactgca tagttcttca 31380
 agtccaggca aagctcaatc gcattgctct ctctgtcttc cagatttaca tccttcagga 31500
 tttcttgatt cgtcttctt gccgaaggct aaggctgaaa caaaagtctt gcaatggcat ctttttgggtc 31560
 taagggtggct tgcagttccct cagatactca ttctttaatt atcatgggtg tgattggggg 31620
 gagcgaagc tgtctagggt tttgcctggg ttgtgtgctt cactcatgga acctaaagaga 31680
 ctgattggcc gctaattggc tcaagggtg agagtgggt gtagtggtt ccctaacaacaa 31740
 aatcgatgt gaagcccaac tatggcatgg tcatggatgc tgagagaatg atgtagagaa 31800
 aatcggtact gttgacataa caggactagg cacagtgggt cacacttgta acttcagcta 31860
 aggggtgatg agaatggaag ggatcgcttg tggccaggag ttagtacca gcctgagcaa 31920
 cttgggaggg tgaggcagga aaaaaaattt atttttaaat tagccaagtg tgggtgggtgca 31980
 catagtgaga ccctatctct tgggagactg aggtaggagg atcgcttcag cccaggagtt 32040
 tgcctatagt cccagctgct attgcaccac tgcacactag cctgggtaaa cagagcaaga 32100
 caaagttacg gtgagctatg aaggaggagg agaaggagg taagaagaaa ggaagtgggt 32160
 ctctgtccat aaaaaagaag aagtcaggc aaagaatcat ggtggcttg acaagcagag 32220
 atgctagttt ggaggtattg ggtggatggg tttgatttct agtttgagaa tggaatccac 32280
 tgactgctga gatgaaatac atgttgaaga tggttaaggaa aataattaaa aatgattcct 32340
 agcatttgct actgagtaac ttgggaggat ggtggttagca tttcttgaga taggtaagaa 32400
 aggcttggtg ttattatttt aaaatcaact atgctattct agctctgtgg gatttgagaa 32460
 tggagggttt atctgagtgg gaatgtcaat tggacaggtg gagacaggag tctggaattt 32520
 gcctgttaat gctggaaata tatattcatg gatatatgaa tccataatga gaaggggtgg 32580
 agagggtaga ctatagcagt ttttattttt acttttaag ccatttaact agtttattaa attggcgggc 32640

B2

cttcttgaga gtacaaacca taaatcactt catttatctt caactcctac cttcactctt 32700
 gccctgtgag gccaaccttg gatgatacac cagaaatacc tcacagcttt tccaggcact 32760
 ttaaaaatca aatcaagtaa aatagaaata aaaattgtac tttttttttc agatattcaa 32820
 aagtccagtt ttacatgaat caaaacatca acctctcatc caattcaaag ctctctttca 32880
 gccgggtgag gtagcttgtg cctgtaatcc cagcacttat gggaggccga ggcaggccat 32940
 cgcttgagcc caggagcttg agaccagcct ggtgaaaccc tgtctctact gaaaatacaa 33000
 aaactagctg ggcgtggtgg tgtgtgacct tagtcccagc tactcgggag gctgaggcac 33060
 aagagtcgct tgaacaagtg gggaggactt tgcagtgagc agagatcgct ccaactgcacc 33120
 ccagcctggg tgacagagcc agtccctgtc caaaacaaaa ccaaacaaaa aaacctgtaa 33180
 tcccagcact ctgggaggcc gaggtgggta catcacctga ggtcggcagt tcaagacctg 33240
 cctggccaaa atggtaaaac cccgtctcta ctgaaaatac aaaaaattgg ctgggcattg 33300
 tggcgggtgc ctataatccc agatattcag gatgctgagg caggagaatt gcttgaaccc 33360
 gggaggcaga gtttatattg agccgagatc gcgccattgc actccagcct ggggtgacaga 33420
 gggagactcc atctcaaaca acaacagcaa caacaacaaa acaaaatcac aaagctctcc 33480
 tttccctgta ggccaggcct ggctgagac actgcagatc agccatggga aagggaaggc 33540
 gggggccgtg gctgttccct tccctcctt gtgcacactc ctttctctgt ggctttgctg 33600
 cttttggctc caccacagtc aaggggcagg gagaagggtga ctgaaagca aggggtgttt 33660
 acttagctgg tgcctcttat ggttctttct agtcatgaaa tagtctctgt cttgcagggtg 33720
 tccagctttt gtgagttctt cgccaccctg tgaagacccc cagactttcc tctacagaca 33780
 tggatgatgc cctccctggc tggctcttta tgacacccc ggccctctcag cttctgcctt 33840
 gagtgtaccc tgaacttttt ttctcaagtg gatggacttc ttggggaagg cttttttctg 33900
 aaggctttga tgtagcttct gaccccatcc agtgcctact tggcccagga gaaaccatta 33960
 ggcattcttg tgctgccata tatggggaaa gcacgtgact ccactgttgc ctaccctcct 34020
 cagcctgcat tacaggccaa acgctgcgca cccatgtctg attttcccag ggccgtctca 34080
 ttgcacacct ccagagggca tcattcacat gtgttctcct agaattgcac agttaatgtg 34140
 gcagccctga gttcagacaa atctctcatg cccctacctg tagcagtgca ttctatgaag 34200
 tatgcagttc agcaggcacc cagctggggt tccagatgct gagacccct tctgccaacc 34260
 cctctgatct ctgagcagtt ctctttctgc tcttctatct gccatagtgc tgcaattgta 34320
 tgtgttcttt tctgctaaga aatgcttttt tcccagcgaa ttctcttata tggcttagag 34380
 atcatatgca agctctgcat tgatggatcc tcagtcttca gttttgagag atctcagtat 34440
 aaaccccaag acaacaggaa agggctcact taacattgcc ttgtaacaga gaaaccctct 34500
 ctttgaatga aagctgtcag ggaagctcag tatataaagc aggtgacatg gtgctccatt 34560
 ggggtggtgg ggaacgaggg gcgggggtgct caaggctggc ttctgtgcac agttagaaaa 34620
 ctctgtgccc tgagaaagcc aaccgtgggt tccacgacca ggagtttccc actatttaca 34680
 gttctgcagt gtttggttcc ttcattgatt tctgtggtg aaagcaatag tttgtacaag 34740
 acgtgtggga ataaaaatag tccaggtgct gcccttttcc gcggcagagg gaccacctgt 34800
 caggctgccc tagtgggcct cttcccacag cacggttctg ccacttgaat acctccctgc 34860
 ctgtttcctg acgctgacct agaagcttct ggtgaatgct ttgcttctgc acaacttgca 34920
 tgggtgggtgc cttttttttg tgaatgaaaa ggtcttctcc tggctctgaa tatagcaact 34980
 gcatgacctg cagaaataat tttgttgttt ccttgtggcc atgttagctt agggctttgt 35040
 accttatagg gacattggca agaattttct caaaagggtt tcatctgtaa attttcatct 35100
 ttgcacatag tagagagctt agaacgtcag tctcgttcca tctgttataa gttttgaggc 35160
 tttgggcaaa gtacctaact tccctgtgcc tcgatttctc catctgtaac actggagcaa 35220
 gagtagaacc tccatcctgg tctgcggtga ggcttagtga gggcattcat gtgaaatgta 35280
 cacagtgcct ggcacagagc aagcaccag aacatgttac taattgcatt agtttctct 35340
 tgctgcatata acaagttgca caaactgcct agcttaaaac aacacaagtt tatcatatca 35400
 ttctgcatgt tagacttcct aagtgggtca tatggggcta aaatcaaggt gtccacaggg 35460
 ctgtttcctt ctgggggctt tagggagaat ccttcccttg ccttttccag cttctaaagg 35520
 ctgctcatgt ttcttggtc atggctgcac cactgtaacc tttgcatctg tctcacatg 35580
 cctcctctct ctggccctcc cgctccccct tgtgattaca ctggaccac ccagataatc 35640
 caggatcatc tctgatctc aagatcttaa tcacatcagc aaaatccctt tgtcgtgtaa 35700
 agtagtaaa taatgtgctc acagggtcca gggatcagga catggacatc tttgggggac 35760
 cgaacattat cctgctgatc ctaccaatta tttaaaaagt tgtcctgtaa gtatctacag 35820
 tgtgcctctg ctgtgtgctg ggcatacaag gtgaataaga cacaatgctt atgccaaaat 35880
 agatacaaa gcacgatgcc cttagtaata atcacagtag ctgacattta ctgagtattt 35940
 actatgtgcc aggcattgtg ccaggcactt caagtgaatt atcttgctga aatctcacca 36000
 tggcactaag ggaaaggat aatttccatt ttaaggataa gaacactgag gcttagagag 36060

cttaagtatt ttttctcaag gccacagagc taaggacatg agctcaggtc tatctgattc 36120
 taagcttgaa caattcatca cagccccctt aaaagatggg tgggtttacc ctcaggctct 36180
 cttcttcact gtgtgtgtag ctaaagattg gccagcttaa gaggagcaga tcacacaagc 36240
 agctatgatg agggccagtg ggcagagctc ccagaggagg ctgatgcaac attgctccca 36300
 ttcttgccat cacccaaagc tgcaagtcca tggccctggc acttgggcaa atgttgccct 36360
 gtcttcaagt gaatctaaaa aactgtgtaa gggcatgatt aattccacca aactggattc 36420
 tccccagat cacttacacc acactaatgg ggccttgctt cagcctgagg aactgtgtga 36480
 ataaaagaga agaagcccag tgagattcct ctttcatgat taatagaaaa accacctggt 36540
 gactttaaaa ggcaaagaag gaggtacatt cagatgagtc agaaagaaaa ggcagcattt 36600
 gaatcctaaa ggccatgtta ctcttgatct tctccaggat ttcctttagg gaaatggaaa 36660
 tttttacatg gagggcagag gtgggggtgaa ggttggactg tagactgagt ggtgttataa 36720
 tgagaccaac ccgggtgctg ggttgaatca tatattctag atgggaagtt tatattctaa 36780
 tgagggagac acacaggga tggacaaatc agtacagaat acaatctcag ctagcactaa 36840
 gttgctttga ggaatcaaa gccagggtgtt gggctaggaa gagactggag gggagaatgg 36900
 cccttctgca gtgggggtgtt gaggaaggaa gtcctcgctg aggaggcagc attgagcact 36960
 gagagggagc tacctgttaa ggcctggggc aagactgttc caggttgagg gaacaacaca 37020
 cgtgcagtc ctgagactag agctaacttg gacaaatgag aagaccagtg tggctgggag 37080
 gtattgaggg acagatggta ggagatgaag gtggagaagt gggccatggc cagaatttgg 37140
 ggatctaagg acaggagttt gggagggttc tcaaggagtt gtgggaacct tctgggaagg 37200
 ttttcagcgt gcagtggaa gatcgaattt acattttggc aggcagggtt ggacactgtt 37260
 gtgcagaaac aacaatggct aatgggctgg ttgagggtgg aatgaaagaa gtggtggaat 37320
 gaaatcagga tgtatttgg agggagagtt ggctggactg gctgtgggtg tcaggggcagg 37380
 gtggagccat agactactct ggattttctg tccaagccct ggatgaatag cagtaccatg 37440
 aattgagatg cacaagccta ggagaagagg cagatttggg atgtgaatgt gtatgagtga 37500
 aaacaaaatt tctctttgaa tcatgttcaa tgtgctactt ggacaagcag ctaattggac 37560
 aactaagtgt aaaaattaaa tagtgaacaa tgagtggaaac aaaacgttag agctgtacat 37620
 tttgcttttag aaggggcata ctttttgctt tagaacgtgt ggcaatctaa tacaattggc 37680
 caacaacat tatgaaaaat gctcaacatc actaatgata agggagatgc aaatcaaac 37740
 cacaagcgta tctgcctta cccctgcaag aatggccata ataaaaaat caaaaaataa 37800
 tacatgttgg cggggatgtg gtgaaaaggg aacacttcta cactgctgct ggggaatacaa 37860
 ccactatgga aaacagtgtg gagattcctt aaagaactaa aagtagaacc accatttgat 37920
 ccaacaatcc cactcctggg tgcataccta gaggaaaaga agtcattata cgaaaaagat 37980
 actcatacat gcatgtttct agcaacacaa ttcacaattg caaaaatatg gaaccagccc 38040
 aaatgcccat caatcaatga gtggatgaag aaattgtgat acacacacac acacacacac 38100
 acacacacac acacacacca tgggaatact attcagccat aaaaaggaat gaaatgatgg 38160
 catctgcagc aacctggatg gaattggaga ccaacattct aagtgaagta actcaggaat 38220
 ggaaaaacca aacattgtgt gttcttactt ataagtggga gctaagctat gaggatgcaa 38280
 aggcacctc attggacttt ggggacttgg tgaaggggt gggggcagtg agggataaaa 38340
 gacagcaaat tgggtacagt gtacactgct cgggtgatgg gtgcaccaa atttcacaag 38400
 tcaccactaa agagcttagt catgtaacca aacaccacct cttcccaaa aacctacaga 38460
 aataataata aaaaagaact tgtggcaatc taattgatga taattgatgg tagcatccat 38520
 gttggggaag gaaggaaaca atgccaaaca ctatgctagc tgcttcacat gtattgtttt 38580
 tcacagggtg taaggcttga gaagcatcta gtgtcctgtg tcagattatg cattctggag 38640
 gcagattgct aaggttcaag tccctggccct gcctgttagt ggcatgttct atgctttgct 38700
 tgcttatctg taaaatggag taataataat accttgcttg taaagtattt tttacattta 38760
 aatgagttaa tgcattgtaa gcacttgga tagtgccctg tattgtaata aacaataaat 38820
 gagcaatttt aatgttacta ttttattttc tccgtagggt gcacctcaat agatggaaga 38880
 gtagggcagtg tgataagggt tggctgtgtt ctcataccaa tctcattttg aattgtagct 38940
 ccataaattt tcacatgttg tgggtgggac cagggtggga gtaactgaat catgggggag 39000
 gttcccccat actgttctcg tggtagtgaa taagtctcat gaaatctaat ggttttataa 39060
 ggggttttcc ctttcaactg attctcatte tctcttgctt gctgccaaga aagacgtgcc 39120
 tttcaccttc tgccataatt gtgaggactt cccagccaca tggaaactgt agtccattaa 39180
 gcctcttttt ctttataaat taattacca gtctcaggta tgtctttatc agcagtgtca 39240
 aaacagacta atacaatgtg ttataacaag agtggtactt cagaatcttg ttttaacttg 39300
 tgtattagtc agtgtgcagg atgcttgggt tctgtcctgg tttttgccat gtttccattt 39360
 tatgagcagtg tctctatca caatatagat gaatgcctct atcacaatat agatgcagca 39420
 ataagttggg attgctgcat agccatccca acttattggc ataaaacaag cattttatta 39480

B2

tgctcagata atgtgcttca gggattcatg caggacacag aggcgatggg ttgtctctat 39540
 tctgcaacgt ctggggcctc acctgggaag atgagcctca cctgggaaat ctacaggtgt 39600
 ctgtgggggtt aggggagggg gctgaaatca actggaggta tcttggtcca tgtgactggg 39660
 ggttgattct ggctcttggc tgagatctca gcggtggctgt tggttggaac atctgtatgt 39720
 gatcactgtg tttctccaca tgggttagct tgagcttcct cacagtgtgg cagctggatc 39780
 ctaagagtga gcatcccaa agaaccaggc agaagcgggtg tggcttttca ttatttagct 39840
 ttggagggtca catagtgtca cttctgcttt agtcacaagc ctgtccagat tcaaggagag 39900
 ggaacatagg ttcgatgttc tcacgggggg aatattaaag tcacatagta aggagtatat 39960
 gggataggag agattgttgt agctagtttt ggtaaatata gtcttccagg aggcttaacc 40020
 tgtggggccac ttatgagcct gtctggctta aaggatccag tacacatcta aatttggaca 40080
 tactctaaaa tcaggatctc ttttatttat taaagaacct gagtaatctt aacctaaagt 40140
 gtattaaaa tcaaagattg actccttaga acagctaagc tttcgttcat ttaatgggca 40200
 ctgattgaat cttgactctg tgcaagatcc tgtgctaag gctgtgggag catattgaga 40260
 tgccacaaga agttggcatg ctaaaagggt aagacaaata cagatggctt tcaattaact 40320
 agtctctgga gagacagagg ccactcacia cctctaata tagttaaaat aaaacttatt 40380
 caggccaggc acagtggctc aggcctataa tcccagcact ttgggagggt gaggtgggag 40440
 gatcacttga ggtcaggagt tctagactac cccggccaac atggcgaaac cccatctcta 40500
 ctaaaaatac agaaattaac caggcatggt ggtgcgcgcc tgtaatccca gctacttggg 40560
 aggctgaggc atgagagtcg cttgaatccg ggaggcagag gttgcagtga actaagatgg 40620
 tgccactgca ctccagcctg ggccacagag tgagactcca cctcaaaaac aaacaaacaa 40680
 acaaacacta tttaaaacaa gacacaaagt gagtttaatg caaacttatt tagtttagcat 40740
 tgcatttaat gttcaggaac acatgttcca tttttagtag ttcattaatt acaactagca 40800
 gttatttaag tgcttactag agacattgaa tattctaagc accctgtgag tattatgtat 40860
 ttaatttgca caatacagtg aagcagttac tttatcgtac ccattttata gatgagagtg 40920
 aacagtagag aggttctcat tttgatgggt aatattgtca acttgattgg atttaaggat 40980
 gcaaagtatt gtttctgggt gtgtctgtga ggggtgttga ggggagatta acatttgagc 41040
 cagtggactg gagaggaaga cccaccctta atctgggtgg gcaccatccc cttggctgcc 41100
 agcacggcta aaaaaagcag gcagaagaag gtggaatgag cagactcgct gactcttcca 41160
 gctttcatct tctcccgtg cttgatgctt cctgcccctc aacatcagac tccaagtgtg 41220
 ttagcttttg gactcttggg cttacaccag ttttttgcca ggggctctca gacttttggc 41280
 cacagtgcac tgtcggcttc cctacgtttg agtttttggg acttgggctg tcttctttgc 41340
 tctcagctt gcagatggcc tattgtggga caccttgtga tcatgtgagt caatactcct 41400
 taataaatcc cctttcatat gtacatctat cctattagtt ctgtctttct cgagagccct 41460
 gactaatgca gtcattggagg ctggcgcttg taccagggt ctcccagtc ccagggtgat 41520
 gctcaatgtg acagggttag ttagtgcaaa gccggcacta gaatccagg tctggatttt 41580
 cttcttgggt tcttttctc tagacttgag gttttgaatt gtgttctga atcttttggg 41640
 tcctaaaaaa gtcttgggac ctgctgcagg ggttgagaag aagcaaagct catgtgactc 41700
 taggccttta ctccaaagtc caaccaagta gcatgctttg aggtaaatta tattgtgtta 41760
 aacttaatat atgatacata gtataatgca atacttaata tatattta atatttgtaa 41820
 cataaaaaa acaatatcca agagcagtat ggaacaccaa aagggtgttca gacttttttt 41880
 tttgagacag tctcgtctctg tcaccaggct ggagtgtggg ggtgcaatct cagctcactg 41940
 caacctctgc ctccctggtt caagcaatcc tctgctctga gcctcctgag tagctgggac 42000
 tacagggtgc caccaccatg cctggctaat ttttttttgt atttttggta gagacggggg 42060
 ttcaccatgt tggccaggac ggtctcgatc tcttgacctc gtgatccacc tgccttggcc 42120
 tcccaaagta ctgggattac aggcgtgagc ccttctctc aaatggaatt ttatatctgt 42180
 gtttaccatt tctgcttaaa gtttgaattt tgtttaatcc aattgaattt ccacttaaaa 42240
 tgtaaacctt tgaaaccac acctctgaca tattccacat tgctgttggg tatttttagt 42300
 ttaaagattt ggctgtgaag ctgtatcggt atcattatcc taacttcagg ctcaaggctc 42360
 cagtcactag ttaaagtctt ttctaccggc aaatctgtat taccatctac tgtggaagat 42420
 aacctctaaa gtgcccattg aagcaciaat ccataaaact aaaagtcaaa gaaaaaagag 42480
 aaagagttta ttccactgtt taaaagttca gtttgattta gatcttatat ctcttgggtt 42540
 ttcttgactg attttttaca taaatgtgtc ccagaaagag tgatcatatc gtgatctttg 42600
 ttcccagttt tctttttcca catcaagttt tctgatgga aagtgattta aaaaaaccct 42660
 taaagtgtga taatcactct cttcttttagt agacagtgga gtttaataga tgcatacagc 42720
 agttgtttac ttgtgatgaa aagaaatgtg aattttctgg tgcaaggaca tttctagctc 42780
 atgtctaaat tgcagagaga ccacagtttg acatagtgtc gaagcagggt gtaagaggta 42840
 ggggtacaat gtatgtctgc acaggttgtg cactatgcga ctgtgaatgg tgtcttctgg 42900

B2

aattgtctat gcggaagcac tgtcaggagg tctgtggattc cagcctctgt tgatttttgt 42960
gcatgggaga gcttgatacc aagcctcaaa gtactaggaa taagaaggta ttacatgctg 43020
taattttcaa ggtggtgcct ttctgtacct ccattgcttt tagtttaggg catttcttct 43080
gcaatccttg gaggggttcct aggaataaaa aagtagctag tttagacag tgtgcaattg 43140
tgctgaaatg gaggaccatg ggggtagatg tagttccctt catgccagta gctaattggc 43200
ttagtttgct gatttgttcc aggatattcc ctaaaaatag gtgtcttcta agcctcagct 43260
ttgggccttg aggtatggca tggctatccg ctctctgctc ctgctgagct aaatgcagtc 43320
ctgaatgcca aatattgaga tttggaatta tcaaaggact attagcatca aattgagaaa 43380
ctcaagctaa atttgcaa taatacaaaa tcatgaactg agcttctctt ccagagaacc 43440
tcttgtaaca gaacttgaag gtggcaggat gtcttgatag agcgtggatt ttagagctgg 43500
atgcatgctg ggcttatatc ctggttccag cttttgcctt gggcaagtta tttacaacct 43560
ctggttgagg tgggtggact agttgatatc tatgattcct ttttaagtaa ataactatta 43620
gttttttcat acagtataat tactatataa caaacatctt cttctttgat ttcattcatg 43680
cattcaaagt atttattaaa tgccctccaa tgccggacac catactagggt actgggtata 43740
taagagtga ccaaagtagc agggtttctg ccctcaggga gttgataatc tagtggggaa 43800
gggtgtgggg atgatggttc atcaatagta aagaaacaaa taatataact acaatcatac 43860
ttgctgtgat agagaataat ggggaggacc ctatgtatta gtggggggta ctctagagaa 43920
acagaaccaa taggatacaa acacacacac acacacacac acaaagtgtt cttgggtata 43980
tatatatcta tatgagagat atatgtatat atgtacatat gtatgtgtgt gggggggatg 44040
ggggatatat atatatatat atatggagag agagagagag atttatttat ttttaagaaat 44100
tgactcacac aattatggac aggtcccaag atctgcaggt gagtcagcaa gctggcgacc 44160
caggagagct gatagtttag ttccagtga agtctgaagg cctgagaacc aggaaagcca 44220
atggtataat tcccctgaaa agccgatatt tcagttcagg tccaaaggca ggaagaattc 44280
tctcttactc aggggaaggt cagccatttt gttctattca ggccctcaac cgataggatg 44340
tggaccacct atgtcgtggg agaaatctgc tttactcact ctgctaactt aaatatgaat 44400
cccatcagaa agcaccctca cagaagtacc cagaataatg tttgaccaa tatctaagca 44460
tcctctgaca cagtcaagtt gtcacataaa atgaactatc ctaggctact tagagtagtc 44520
agaagatacc tctctgacat ggtaacattt aaactgagac ccaaagaatg ggaaggagcc 44580
agcgtggaa ggaatggggg caggccttcc aggcagaaag aaactgagtg gtaaccgagt 44640
ggaaactgaa tggaaactgg agtccagagg gaaaaggggc atgttggtgag atgaaattag 44700
agaggggaca gaggctttac tgtcagacct tgggaagccat gataaggggc ttgcatttta 44760
ttctagatgc aacgatgaga ggcactgagt ttgagcacct tgggaagccat gataaggggc 44820
ttgcatttta ttctagatgc agtgatgaga ggcactgaaa agtttgagca aggaggaatg 44880
tgagaggatt tatgtttcga aaagattttt ctgactgctc tgtgggagtg ggtgagagtg 44940
gaaagtgggg agacctgaga gaaggctatg gctggagcct agtagggagc aggtagcctg 45000
gatggagggc cagggggaca gagggaagtg gattgtttgc aggtctattt tggcggtaga 45060
aatgagagaa ctattgggga gggacaggac aagagaacag aaagtaaggc tgcctctcag 45120
gatcctgcct atttggttg caactaaciaa ggcgaatttt cacttactaa gcatgagaca 45240
acttcctttt ttggttggtt aactcaatag taggcaattg ggtgtgtgaa gctggagttc 45300
cacctgaggt atccaatga gtgtatagac ctgggagcca tcagcatgta ggtagggatt 45360
caaggacatt ttgggtcttg acaaaagggg tgcagaaaat aaccacgga agtccagtg 45420
acacagggag aggatataga ctgcagagt gatttaaaaa gaccaacga gagaggggtg 45480
ttaggcagaa gaagaagtat atatcacaga ggctgtaagc agggagcttt ttaagaagga 45540
aggaaagcct tgagagtgtg tattgctgag aggacaagtg atgtgtggcc gtgttggtgt 45600
gcaagtcttc ctgtgcagaa atcgtttagca gagcagtttc agtggagtga caggagagga 45660
cccctgtgtc ggtagcagag gttttaggat gggatatcacc cagtgtatta gtccattttc 45720
agaccagtat attttatgca accaagaccg ggaaggagag gtttaattgg acttacagtt 45780
acgctgctga taaagacata cagaatcatg gtgggaggtg aaaggcactt cttacatggc 45840
ccgcatggct ggggaggccc aagaagcaaa agtggaacc cctgataaac ccatcagatc 45900
agcagcaaga tattcgttat catgagaata tcatgggaaa gactggcccc catgattcaa 45960
tcatgagact ctgggttcct cccacaacac atgggaattc tgggagatac agttcaagtt 46020
ttacctcccc gagacttggg tgggaacaca gccaaatcat atcaccaggt ttagtacttc actatgtttt 46080
tgccaatta tgttgggtag gggatggttg tgcctcctc tgccttacc ttagagctgg 46140
cagataaaat accagatatc cagttaaatt tgaatttcag aaaacttttt aaaaaagtat 46200
aagtatatcc caaatattgc atgggatata cttacccttt aaaaatttta ttgctattgt 46260
ttatctgcaa ttcaaatttc actgggtgtc ctgtattttt gtttctgaa tctggtagca 46320

cacattgaat	tgcacccttt	aaaatggcta	gaatagggaa	ttttatgtta	tgtgcattgt	46380
aacacacaca	cacacacaca	cacacacaca	cacacacaca	cgtatctggc	aattctccct	46440
taactaaact	accatgtaga	agctaccatg	cgatgcagtc	tatttctagg	tttagccaca	46500
agggccaata	agaaaatctg	acctcaaagg	aaattatgtc	tggtgatggg	taatgcttct	46560
actaaattcc	cttagagcat	aggatgctga	gccccatagta	ggacctcatc	aaatgctggg	46620
ttgatagaaa	ttgcatttgg	ggaaaattag	cagctgttga	taactgaatg	gaaagaaatg	46680
aactaccctg	gtacctgtgg	tacaacttaa	agaacaccat	gaaatggggc	tcattgggag	46740
ttctcaatga	attcagtggc	gtggcacttt	tgggcatgct	tttggaaacca	agtacttact	46800
ccatgtgcct	gtgagtttgg	cacctctcat	ggcagcccaa	gtgcaactgg	tttctgaggg	46860
gccattaaaa	atctcccaat	ggcagacaac	tctcagacat	gcctgcaaat	tccaagacag	46920
ccaggctgat	catctgctac	tttaattggg	tataccagtt	tttatgcctt	tgtttctcct	46980
cctttctgtg	aggtggagga	aacataacca	caagactggt	tccagtgacc	tcttcagagg	47040
caattttccaa	gcaattaaat	atgggttgaa	tccaaagtgt	attgatgaat	taaattctgt	47100
tccttggctg	aagattctgt	tccttggctg	acacctgaac	tcaaagggtta	gattgaacta	47160
tctaggaaaa	cggtttttct	cttgtgtttt	cctgcaggct	ttgctgttta	cgaagatctt	47220
gcatcaacac	ttagcattca	ctcacatggc	aagcttgcac	gtggtacttt	cattccacat	47280
taatttaggg	aactctacta	tgtgccagca	ttcaatatcc	aatttgtctt	agattttcga	47340
atagtgtccc	acaattttat	aactggggag	ttccttgaat	ggaaatatgt	tcacagtggc	47400
tgcttaattg	tgactaacc	atcacataga	gactgctttg	gtaatagatt	tgattctgag	47460
ggctcaggag	aagggacact	tctcatatgg	ggaagacggg	attaatcctt	gaaaatgata	47520
ctgaagccaa	cttctgtacc	agtatagcag	cttagcagac	ttctatatga	tccatgtaag	47580
ggctctgttg	ctctctgaga	ttttgggtgc	cttctctagc	ccctgagtgc	tgggcttctt	47640
ctgaattcca	taggggtgga	ggtgaaggta	ccgccagctc	tcaccaact	catccatccc	47700
tggaacagcag	ggattctgct	catcaccttg	gtgctccga	tgctgaagc	acaataggcc	47760
ctcagcaaac	atttgttgaa	ttcatgccat	gaacattaat	cgagcccttt	ttatacactg	47820
tgactggga	ttgggacct	ggaaaattta	gagaggaaaa	ggtccacctt	caaggggcat	47880
ctagaggaac	ttatcctcta	gcaggagaaa	ttgctaatga	gaaaagggtat	tttggggagt	47940
ggagtgaagg	tgtggtctag	ctggcagggt	cagcctatgc	tcagtggctc	tctgggtatg	48000
aaaatttcctc	agaatgttga	ttcagccaaa	gatttctctg	gcagcactga	ctcttgctt	48060
ccttcggcca	cattttattc	cccaaacctc	ggtgttactg	ggaagagact	gagctgtttt	48120
attgaagata	attgactttc	ccagttttta	agtaagtctg	ttgattcctc	gaagacttca	48180
ctaatacagag	ttatgaatat	ttcaaaaaca	cttcccagtc	ttcagatgaa	tggatttgta	48240
ggttttctac	attgctgtct	ccctagcccc	atgaggaata	atgtgggtat	ccttttccct	48300
tttaggtttc	tctcttctc	taacctgcgc	ccactcccag	cctctgatag	atgcatttgc	48360
agtaaatcac	agaaatgttg	ctgatgtcag	cagcactgat	atgcattaga	ggagccactt	48420
cagaggaaat	tactcagagg	gtgatgctga	aatgcaaagc	tgtttggtag	ggtattttgt	48480
agaaactgtt	ttctcccttt	gatggatctt	gtttattttt	ttttgactta	gtaggcacag	48540
tgaaggaata	accatccaaa	tgtttttttt	ttttccattt	aagttttgta	taggaggttt	48600
tggtgacttt	gaaatgaacc	aggagcactg	agcagctaca	ctgacaaatg	gagatggctg	48660
aggctgcttg	caaagcagtg	tggtgggggtg	tggagcctcc	atgtcagtga	cctggggaaa	48720
ggcaacagtg	agggcacacc	tcattctaca	gaaatggttt	aaaaatatac	atatgatacc	48780
ccacttttga	tgcacacaga	ctgtgctgtt	taaatgcttt	cgatggaaaa	tccttttgta	48840
aagtacacgt	ctatcttgca	gagtaggatt	tctgtatatg	atctcagggt	tgtttatagg	48900
gaggtacact	tggatgtctt	catgacattt	atcatgacag	ctgtagctga	gcagagaaaag	48960
agggcaggac	tgccatgggg	catcaagggc	catttgaaga	aggaaatggg	ggactgagag	49020
tgatagcgac	ctgtgaggct	gcctgggttc	tgtagcagtg	ttcagcagcc	tgtgactctg	49080
agcagagaga	aggaatatata	tacagggata	tttccaggta	gctccaggaa	aagacaaaag	49140
gggaggaagt	tgagtctgtt	agctaaagag	cagtgttgaa	tatgggatcc	aagttgggtg	49200
gagaagagaa	agagaacaca	gggagggtag	gatgacagga	gaaagtagag	gcagggtatg	49260
atgtggggagc	gatgagggta	gcaagctgga	aagagaggat	gatctagtca	atgtcttagt	49320
gtgccttagg	gctactataa	tgaaatacca	tagactgagt	agcttttgca	caacagaaat	49380
ttattttctca	tggttctgga	ggctgggaag	atcaagatat	caaggcagat	tcagtgtctg	49440
gcaaggatct	ggtacctgat	tgacagacag	ctgtcttctt	gctgtgtcct	cactcggtgg	49500
aaggaccaag	agatctctct	gggttctctt	ttataagggc	atgaatccaa	ttcatgaggg	49560
ctcagccctc	accatctaata	caccccccaa	agccccacc	tcctaataccc	atcacattga	49620
gggttagatt	tcagtgtgtg	aattttgggg	gacacaaaaa	ttcagaccgt	agcagtaatc	49680
gcttcaactg	agtattgaga	cagttcttgt	ggtaacaagg	tttaggggtg	ggccataggg	49740

B2

agactcagct gtagtggagc tgttggggct gtgccaaggt caccagatc cgttttgttc 49800
 tgtgcacctg tccttttagct tctgggggct tctctctttc tggcctgtac ctacagcctt 49860
 tttcagagga ctctccttgg tctaccggag cctatttttc ggatgttccct aggagttttt 49920
 tgagatggag tctccctctg tcgcccaggc tggagtgcag cggcacaatc tcagctcact 49980
 ccaacctcca cctcctaggt tcaagccatt ctccagcctc agcctcccaa gtagcttaga 50040
 ttacaagcat gcaccactat gcctggctaa tttttttttt tttttttttt tttgtatttt 50100
 tagcagagct gggacttcgc catgttggcc aggctggtct caaactcctg acctcaggtg 50160
 atcccctgcc tcggcctcac aaagtgcctg gatgacaagc atgagccact gcgcctggcc 50220
 atcctaggag tttgtatcac ccactccttc acggtttgtc tggagggatc tcctaaataa 50280
 ataactcaca aacaaattct catccgggat ctgcttctgg gatacctgcc ctgagttagt 50340
 ggttgagatg gaatggagat gatggcaatg gtgataaatt caaggaaatg ggaggcttgg 50400
 gtcttggctg gggtgtgtgt gggatgctga agtcacttag gagggaaaca ggaccagag 50460
 agaaggctgc aggaaactgg gggagcagcc aggtctacca ctgatggcca cggggaaaga 50520
 gtaggaagtg gaggagccag agggctgggg tctcagagga actgtcgggt ttgacacaag 50580
 aatttgggggt attggttttc caggacaatg tgaccctgat gttgtgggcg agggagactg 50640
 aacagccctt accccagagt cactactgaca gcacagtgtc ctcagggaaa gccaggtat 50700
 caggagaaaa ggcgcaggaa ggggccctga agaggctggg ggcagtaggg agtcttcaga 50760
 tcttcagcag gggcccctga ggcattcttg gaatggtttg gggtaggggt gaggggaagg 50820
 ttggatcaga ggggaggagg ctgagagcag aagagagaac aaagctacac caagtggcct 50880
 cactggcctc acacttctca gaattggtcc cttcagaccc ggtggtgggt ggcttggcag 50940
 cctggatgtg ggggtgtggag attggtacta ctccctggcac acagggggca tgcattggtt 51000
 gaataaacia atgaatgaca catcaagttt gtagatgcc cactttttca tcattctgaa 51060
 ccattgtcac ttccatgtat tttatggtct gataaatatg gaattaatcg aagtacctct 51120
 agctatttgt tatcaccatt attgggtggg acacagcgaa cagatttctt aaagctaggg 51180
 aattatgcaa taggacatgt tacggactta agccataaga tccttttttt tttttttttt 51240
 tttttttttt tttagataga gtctcactct gtcacccagg cttaaagtga gtggtgcaat 51300
 gtcgactcac tgcaacctcc tcctcccaat tctctgcct cagcctcctg agtagctgga 51360
 attacagcgt gcgccacctt gcctggctaa tttttgtatt tttagtagag acagggtttt 51420
 ggcattgttg ccaggctgggt ttggaaaggga tctttctaatt aggccaaaaa atatttttca 51480
 gttttgcttt ctactgtgga tctgtagatc cacagtataa ctacttatgg tctatttgct 51540
 tgtgattgca gatactgaag gagtttgctg ggaagggaga agtgtgtgtg gaagaagagg 51600
 ggagggcttg agaagtgaga tgagccctga gcacacggga cattggaggc cagggaaaga 51660
 accatggcgg tgcttgtgga gttttaatag gtgcaagctg ggaatttcag aaggctcacc 51720
 tggctgctga gtggagccta gggcagggtg ggggggtggg ggagaccctt cggggagcca 51780
 gtgaggagag ataactgctt ttgacaagac acctgggaaa gacatctgga aggaatggcg 51840
 ttgacaataa gatttaaaac ccttggcccc agggaaaggg gatattttga gaactatgac 51900
 tgcttgtatt acttttaatc ccaagaggag gataaagggtc tttcctgtat aaagtgcgct 51960
 agttaattta aattgtggag gaaaaaactt agggcaagag acagaatatg atattcagga 52020
 agcatttttg aaaaagacac aaggaacccc agctgtggct gtgtgcacct ttagggcctt 52080
 gatcatggag gcaggataaa gaagtccatc tcgtcaacat ggcgaggtca gagtctattg 52140
 ggagaatcac gaggtaggca gctctaaatc ccaaagatg gtggtccagt cggatatgcc 52200
 tgggtgctc tgaccagctc agcacacaca aggaatagct ctggtcctgg gcaatttgtg 52260
 ccctgggtcg gaggtgaga gtttatttta tcggaacaat aaaggcatcc cactgctac 52320
 caggagcaac caaaaatgct cagaagttct ggaacaggag tgctgttgaa cagggtttcc 52380
 tggcagccc agatagaaag tggtaaaaac agcaaaatgc tgctatggta tagtactgaa 52440
 gtcacaggc acacactgag acttctgtg ggtcaggcct tgtgaatggg gctggagaca 52500
 gagactggga taagatctac catctctgat gctgacgccc agcccagttc tcccctttt 52560
 ctctctagtt ttttctttct ctgtcatgca tccccctccc tttgctgtcc cttaaagt 52620
 gctcccttga gcatcatctt ttactctctt ctcattttac atctccctct ggaccactt 52680
 atccagtcct gtggcttcag taccacttac atactcatca ctcttaaate tagggattca 52740
 gctagattat tcccctgagt tctggtccct tatgctcat gttaactgga tagctccacc 52800
 tggatgggct acaggagctg cacacctaac tctcctgcat tttctgtctt gcagagcatg 52860
 atactgttat aagcttataa gagtcatccc agacgcctcc tttcttccct tgcattccat 52920
 actaggaccc gcacatttta cttccttaac acgccttgtc tctgactcct cctctgctgc 52980
 tgcctgagtt gaggcctcat aatacattcc agtaaaactcc taccacacac cccacagac 53040
 gatctctcac ttgctgcatg tctcttacgc actgctgcca gagtcagctt gctaaacca 53100
 ggtctgaccc cctggctctt ctccctgtgt tagccttgat ggcttccac gctcattaat 53160

aagaccaaca agagccacac tctctcctct gcttgtcttt gcagctttat tttggtgtag 53220
ccatcttcac accctctagt cctgacacgc agacctgagg taatttccca aatgccccag 53280
gctgattcat ggctgagtgt ctttgtatct gttgcccccc cattgctgtt ccgccttcct 53340
ctccacctcc ttctgcccctc tcgcagacac ctaatgcctt tccacacca gtgggcacct 53400
tgtctttgca ttctcgtctc ctcttcggtg gcaactgacac tctctcttca tgtctttctg 53460
tccccacac ctctgtcaaa cacagcatct gcacgctttg ttgcatttgc ttgcatagaa 53520
cacgtagttt tcttcacctc ctaataatgt ggacagctca cgttgattga ggacttgctt 53580
tgaacaaggc attgagcaac atgccgtaca ttttatgtta aatcttccca atagtgtac 53640
tgcttctgtc cctttccagg gaggaggaag gaggcttggga gaagggactg tcttttagga 53700
gccctgcccc gtgtttcctg tggaggggtg ggccatcgtg gaagacagac ctatggtagg 53760
ggttaagctg gtggctgttg aagtccaacc tcccccttc ttcctctaac cctgataacc 53820
ttgttctctg gggcctgtct gctagtggag aggcctctga cttttttttt ttttttgcca 53880
tacctttggt ttataaatac aagaagagat ttgggggaaa atcaggggaa actgtcgagc 53940
ttacaagtcc cgagaaggaa gtcactgtct ctttaagtct catgtgaacc ccttggtctc 54000
tccccagctt gtggggtgaa agaaaagccc tttagtcttt tgggtcctca aatcacagtt 54060
tatgcagttt ggccccagtc agagggaccc caggaaggca gactcagggt aaattctgcc 54120
tgtcttccac cagagagggg actcaccaag tgtgactcat gccattcaat agaattttta 54180
aaatctcaca agtattttgt acccctgagt aaaagagagg cttgtagctc ttcattgaagg 54240
aacaagaaag gcccgaaact agtggttggga gcccagtga gtaaaatact gccctgtctc 54300
ttgtctgtcc actctagcgc ttgtacaaac catgaagaac tctctttgga ctggttgctt 54360
tttgagaatg ttaacacctt gactctggat ttctgcctat gggaaaaaac cacaatagtg 54420
ccaggggtgc ttccatatgc aggattaact ctgcagtc aaatggtggt gggcaggtgt 54480
gtgaacttga tatcataaat gctggcccaa agcaaaggg agaagtgatg aatgaacaaa 54540
ttcaggaatg aaacaaactg taaccagggg tctcctagt ttaggttctc tgctaaactt 54600
catattgaga cacaaaggaa gggcatctta taatataatg ttgggggatg agcagtcagc 54660
ttggaggtgg ggacacgtaa ggtgggtttt gatgtttgag aaggaattga ccaaaaaaag 54720
agtcaagagg tgagaagaat ctgggaagtg agacctgttt ctctgggaca ggtgtgagcg 54780
ggtctgggtg ctgctgggtt tggctggggc aaaggttgct tgtgggggcg tggcagtggt 54840
tgaggcctgt gagataggca ggcgcagggt cctggaagg agagtcagg agcaaggcat 54900
ggagcctgca ctttactctg aatgttgggt ggcgcctcag agcattgtta gcaggggtcc 54960
atgtgatcac actgacacct gagagagtga cacaccatgt acatggctgg tatatggagg 55020
atggatttaa gggggacagg actgaaggct gtcgcagtga ttcaggtgag agaagatggg 55080
gttctggact aaggggacag gaaagcacag atgtgagatg aggtggcagg cagttctagc 55140
tccctcttcc cccagctctg ccttgttttc ctcttctcat ggctccatag ggtctcagtc 55200
atctcatcat agcttgatct ctcccatctg gaagtgcagc ctgaaatttt gaagacagca 55260
gggagcaatg cttcacccaa agggagagcc tcgggtggcg ttttgggacc atggcttgct 55320
ctcttagtgc atacagactt agtgttactg ccattcttac tgggatcagc ttgattgcct 55380
ttaaggtagg gctgtccatg gaaacaggga aaacatgatt tgggtgtttg ggtatctgga 55440
accagaggca gcacagatac tgctctaaga gctgctggga caactggagg ccggtgtggg 55500
tggagcaccg gaggtggaat cctgcgctcc tcatctttcc tgccctcttc ctaacacctt 55560
ccctccccag cggcctgaag tctgcctatg cctatgcagg ctgagctgta acctgggact 55620
ctttggaagc tctgagccat cagtgcagggt ggccccggaa tgattccaga cctagagtag 55680
gggtgggagg tcggctgcgg ggcgggggga ggtgagagga ggctgtcctt tccctcttgc 55740
ccgggagctc gcagtcacag ttgcactttg cctgggtcag tagcagagtc acgctgctgt 55800
gtgacagtgg cactgaggca gctgcatttc aggtttccaa gagactctga acccttggaa 55860
tgccatttgt ttcaggtgac atggaggaat ggaggcactc ggggttaagt tctgaagatg 55920
gattcaagga tgccctgct tgttagcttg tcatagggtg ctcagtgtcc cctctctggc 55980
ccgtagtttc ctcactctac aatgggggca gataataatc atcaccttac acagaagggt 56040
tggcgaagat aaaaacaggt tcaactggct ggtgcagtgg ctcatacttg taatccagc 56100
actttaggag gtcgatgctg gcaggctcgt tgaggacagg agtttgagac cagcctggac 56160
aatgtagtga gaccccatcg ctacaaaata ttaaaaaatt agttgggcat ggtggcatat 56220
atctgtggtc ctagtactg gggaggctgg ggtgggagga tagctcaagc caggaattcg 56280
aggttacagt gagctataat tgtgccactg cacttcagcc tgagtgcag agcaagatcc 56340
tgtctcaacc aaaacaaagc aaaacaaaaa cagcttcatg cacgtgtaag atctttgtta 56400
attcttccat taactctgaa ggcgggatgc gtcttattaa tttatgtagc tccagtgcca 56460
aatgcagtg caggcaact cagttgtttg ttgattgaac gaatgaatgg atggtgcagt 56520
aatatctgtg gggcttgaga aagcctgaat aatgtcaact tattaagagc ttgttcaacc 56580

atgaaaaagc agatttccac atgtaccctt ccatatcacc cacatttagg tgaaaatgaa 56640
atatgtgccg tattcttttt tttgagacag aatttatctc ttgtcaccca ggctggagtg 56700
caatggcacg atctcggctt cactgcaacc tccacctacc tgggtcaagt gattcttctg 56760
cctcagcctc ccgagtagct gggactacag gtgcatgcca ccatgcccgg ctaatttttg 56820
tatttttagt agagctgggg ctccaccatg ttggccaggt tgggtctgaa ctcccagcct 56880
cccaagtgtc gggattacag gtgtgagcca ctgcccag ccagtcagat attcttgagg 56940
aaacatttta aaatgaaaac tagcagaaaag gatattacct ttcaacattt cctttctcat 57000
caattcttgg cagcactttt gctgcccagt actcttctgt tggagctgtg aagtgtgata 57060
ggccattact ttatagatcc attcattatt gatacgtttt gtagggaaga actccactgc 57120
tgtttggaac ctgaagtagt caatctcata gactggaaaa tatttttaac gcctatttga 57180
aacaatgtc gttcctattt tttgggataa aagggccctt tccccctgga attgctatgt 57240
ttcctctttt cctgttccca cactctgcag aactgacttt gaagtcagat gattcccttt 57300
ttaatctggc ttctcgcttt tgggcccgtt aaccttgact tagccattga acctgtctgg 57360
gtctcagttt ctttgtctgt gaagtggggc tgtgttgggc atgagcatgc gcctacaggc 57420
ctctaactgg aggggtgtt ggtgatcagg gccctggctg ctgccctgat ctccacagct 57480
gggcttgcac tgcgggtacg ttgctcccgg gctgctccca gccagtgtct gtgcccagca 57540
aggataccac ggcaggattg tttctgggag acacaggact cctcagacag ctaacttcag 57600
ctcaagaact ccttgatggg ctgtctaaac ttccttaggc tggagatgc ttacctctc 57660
cttcttctt tcttctctt tccaggggtc agacttactt agagtctagt ggctgttcta 57720
gcctcccaa ctccctatca ttttctctca cacatgcgtt cccctaata aatccatgc 57780
acatttaate ccttcttggc atctgcttct gggggctcta cctggactca tgcagtgtga 57840
taattccttg tagtgaggac cgaatgtagt gatgtaagca gagtgtttgt cagagtga 57900
gcatgagtaa gtgccagta ggccatcagg gctcctgtca ccttcaccac catcagcacc 57960
accatcctca tcaccatctg gccagtttg cttctttgtt ggttccaggc acgagaactc 58020
cagtggttga ttccaggta tgaggcaact gtattagggg gagaacaact gtggcttcta 58080
aggagaataa atggattaat gaaaatgcc tttaaaaatt tatccaactt ggctggatgc 58140
ggtggcttac gtctgtaate ccagcacttt gggaggctga ggcgggcaga tcacctgagg 58200
tcaggagctc aagatcagcc tggccagcat ggtgaaaccc cgtctctact aaaaatacaa 58260
aaaaatcagc gggcatgggt gtgcacgcct gtagtcccag ctacttggga ggctgaggca 58320
ggagagtagc ttgaaccgg gaggtggagg ttgacgtgag ccgagattgt gccactgcac 58380
tccagcctgg gcgagagagc aagactccgt ctcaaaaaaa aaaaaagaaa aagaaaaaga 58440
aaagaattta tccaacttaa gcacaatcca gatccttttc tagccattga gatgtgcagt 58500
cttctttgcc aaaacaacca agtccctttt tagtgaaatg caaaaagggt tttgtaacat 58560
tctgagatct gtgccggtac tctgacaac tacaatatata ctccagccag tagaccaggg 58620
ctgctcattt gctgttctct agaaccctgt ggacgttttag aaaaaagat ggctgctatt 58680
attcacattt cacagtaagc aaacagagaa actaagtgc agtttctgagg tcatgctgtc 58740
actgatggat ttgggactga aactctgggt tttgctctgg tgccttggaa gctcaggcat 58800
gggtggattc tgttcaaact ctgcccta at ggacagtctc ttgcgaaact ggcaccagga 58860
cctggcctga agagacgttt ctcaagccca attctgccc gacctaggga tgctagaagc 58920
ttgggaagca tccatgatgc aggtcagtga cggagtccag cctccactca cctccatgct 58980
catgctattt attgcatgtc agctgatgag gctttaagct aatggttgggt acctggtgct 59040
gtggaacatg ttccttaagc tgactggcaa gccctgagg ctgggaggga ctgtgcctta 59100
tccccaccat accacacccc tttgtgccc ttccagcatta aataaatgtt tgtttttgag 59160
agtgtgggtg attccgatgg ggcttttgtg tgaaggaatt atcaccacca ccaccaccac 59220
cactggaaaa caacatttgc tctatgccag gcactatgcc aagaaattga gatccaatga 59280
ttaaaagatg aactttctga ctccaagaag ttgataggct agtggggaag atcagcacgc 59340
tgggcctgcc tggagagcc caggacgact tcatagagga ggtagctttt ggctgagact 59400
aaagaggatg ggagttttcc aggcagatga ggggtgggaa ggggttactg gctgagagga 59460
caacacctgc aaagggtgta aggtgtgaac agagcactgc tgtgtttgag gacctgcttt 59520
cagtattgct ggagtgccaa actgtttgcc atttgacgct gctcatccac gttgtctgtg 59580
tggtttgat gtgccagcat tcttccacc ctttattcac ttattccacc atcattgatt 59640
gtctacccac catgtgccag gtactgtgca gaacactagg ggtgcagagg tgaggggtag 59700
acagggtgcc tgcctcatg gagctttcaa tctaattgga gtgctggaca agggcacagg 59760
ctgtatcagc agcacagcac agtgagtgtc gggcaaggga gatgtattag tctgttttcc 59820
tgctgcta at aaagacatac ccaagactgg gtaagttata aaggaaagaa gtttaattgga 59880
ctcacagttc catatggcta gggaggcctc acaatcatgg tggagggtaa atgaggagca 59940
aagtccatc ttacatggca gcaggcaaga gagcatgtgc aagggaaccc acctttataa 60000

aaccatcaga	tcttgtgaga	cttattcact	atcacgagaa	cagcacgggg	aaaaacctgc	60060
ccccatgctt	caattacctc	ccacgggggc	actcccccac	gatgtaagga	ttatgggaat	60120
acaattttaag	gtgagatttg	ggtggggaca	cagccaaacc	atatcaggaa	atctgaacta	60180
atggagggca	gattcatttc	ctggggcttc	cgtagcaaat	tgccacacat	gtagtggctt	60240
aaagcagcac	taatttatta	ttgtatggtt	ctggaagtca	gaagttcaaa	atcagcctca	60300
cttggccaaa	atcaaagagt	aagcagtaca	ggttccttcg	ggaggctcta	ggggaggatc	60360
cttcccttgc	cttttccagc	ttctagaggg	accacattcc	tgggctcatg	gctgcacac	60420
tccaacctgt	gtatctgtcc	tcacatccct	tctctctctg	gccctcctgc	ttccttctta	60480
taagaactct	tgtcattata	ttgagcccaa	ccatataatc	caagatcatc	ccccatctca	60540
acattcttaa	tcacatctgc	aaagtccctt	ttgccatgta	agataacatt	catatatgtc	60600
ttggggatta	ggatgtggac	ctctttgtgg	gccattattc	tacctgcccc	caaggcagga	60660
ggggagaagg	tgctcccaga	agtgatattt	aatatgagat	ttctggctca	gaagcaggat	60720
acacatggaa	gcagggaggc	cccttgggag	gctgctgggc	tggtccaggc	aagatgtgac	60780
agtggcctgg	atgaggctgc	tggccacagg	ggtagggaaa	ggccaagggy	atgaaataca	60840
gtgatgaggc	agaatgaatg	ggagatgtgg	gcagtggtaa	aagaaagcca	ccttaggcaa	60900
ggctcacctt	ctcggcatca	acaggagcaa	gggggaaagt	gaatgcagcg	tctttaggga	60960
aagggttagca	agaacataat	gcccagggtg	ctgattctaa	catatagatc	tttcaatcaa	61020
gattccagac	aattttgcgt	ttgtgtaaat	ctgagggaaa	tttaacatgg	agtgatttta	61080
ttggattgga	taatatgcca	taaaagactg	acgttcagct	cggtttccaa	agacagaaac	61140
tgattccgag	ggcctaggag	gagaggcaga	tgtttacaaa	cttagattct	tctaagccat	61200
cacctctaca	gccagggtgt	ttgaacaggc	agtgacatag	cctgctcttt	gacttttcca	61260
acagtgattg	agcagtttaa	ctccctgctg	gagtgggact	gtttacccca	cctagggtaa	61320
ttaggtttat	catctactaa	taccttcttc	acacaacagc	cagcctgcac	catgacagag	61380
actataataa	gagttggaat	aataaaggga	gaacaaaact	gaagtgcagt	ggctgttcgt	61440
tgttgcacaa	gacatttctg	tgatgcatga	tagcattgcy	tgtgctcat	aaccccaaac	61500
ttcctgccat	cgcagaaaag	cctccagctg	aacctattta	tttccaaagt	aatgaaattg	61560
ccctacagag	aacagggacc	ttagagaatt	ctatgtgctt	cgaaaaccag	gaaacagttt	61620
ttttccaatg	acgtcttatt	ggaaaacaa	agaagaaaaa	ttctattact	agtagatcag	61680
gagtggttat	gccaagtca	catcttctat	taatagataa	caagctcatc	cttttttctt	61740
ttgttttgg	acaagaggac	tttttaagtc	tctagacatt	catctcttct	ctgctgttgg	61800
tatcaccagc	ccttgggtgct	tggatagagt	agttggttat	ccctctccta	tttacttctt	61860
ctccaagttc	aacaacatgt	ttgtttttaa	atctgatgat	ttgttgtatt	ccttacacat	61920
tgtttcaaca	aggaagctaa	gggaggagg	gaattataaa	tggcagagag	atagctttca	61980
atgttgaccc	tcgtagaaaa	atgtaagtat	ttcaaaactca	gtttataactt	tttttttttt	62040
taaactggga	cccctgggtgc	ttattttttta	gaactcaaat	gggtacctag	caactgatca	62100
aattccctaa	ctgcaggctt	ggtgaaccag	cgtttcatcc	tcacatttga	aagctggctc	62160
aaagaagaca	tctgtgcttt	gtttctgaca	cgttttgtat	ttatttataa	acaaactctc	62220
ttcttctttg	tccccacccc	tgactcctca	gtggccgttc	ccgcagcagc	accggtgtgc	62280
cagcccaaga	gcgcactaa	cgggcaaccc	ccggctccgg	ctccgactcc	aactccgcgc	62340
ctgtccattt	cctcccagac	cacagtggta	gccaggatgg	aaggcacctc	ccaagggggc	62400
ttgcagaccg	tcatgaagtg	gaagacgggtg	ggtgccatct	ttgtgggtgt	ggtggtctac	62460
cttgtcactg	gcggctctgt	cttccgggca	ttggagcagc	cctttgagag	cagccagaag	62520
aataccatcg	ccttgagaaa	ggcggaattc	ctgcgggatc	atgtctgtgt	gagccccag	62580
gagctggaga	cgttgatcca	ggtgagcagg	gagtgagtcc	atcttaggcc	agctggtggg	62640
gtggatggca	gtgttggttt	tatctttctg	ggtctctagt	cttgccctca	gttgagaggc	62700
tcttgggtgt	cagggaaagt	ctctccaggg	aggtgacatg	tgagctgaga	cctccaagaa	62760
gcgatagtga	ggcatgtgac	agtgtggggg	aaggagggtc	catgttctgc	atctgggttt	62820
ggatgagtgg	tcagaggcgg	cagcaggcca	atggactttg	gattttcaag	ttcaagtcca	62880
cctatgtgtg	ctgattaact	ccttgattct	gaactctgtg	gaatgctggg	atagaaccgc	62940
aagaaggaaa	gaatttttaa	tatgcagatt	tagaataagc	agggatata	taacctgtcc	63000
aagggtccatg	aggatgaggt	agagaagagg	ccaccaggta	tgtgggtgaa	gaggctgtca	63060
gtggcctgag	acagctgtta	tagtggattt	atggggatga	aataatatgg	atcacagtag	63120
tagtaatcat	caggtttgct	gtttttgaat	acttactgtg	tatcaggcac	tgtactaagg	63180
cctttacata	ccctggatat	taaggaaaaa	agattcttag	gaaaatggaa	gcagagaact	63240
tgaactgcag	cctaaagaag	caaggcaaca	cttctggggc	acagatgtgg	acttggcagg	63300
ggtggactgt	ggcggttaagg	agctatagga	aagccagaga	gtcatctgtg	gggctgcggg	63360
gcgagggact	ggatcaggag	ggttgtgaag	tctgggaagc	cagagagaaa	agcagttccc	63420

acgaggaaga aagggaaatg gtggagagcc ctgttggagg gcttcacctt ggacgtgaag 63480
 gaggaaggct gcctctgagg ctgaagttcc actttctatc ccagacaccc tcctgaacta 63540
 caaagagtgg gttttggtgg aaggcgggtga catttatgga ggtgagggag agtctcatct 63600
 ttctgggggc tctaaagttt ggaagggtga gggatggaaa agacagcttt tacaattcct 63660
 tctggctctg gaagatgcac attaaattct aatggctgca acaatccaag atagtgtagg 63720
 atttaccagt ctgcgctgtt ttcttattta tttatttctt accataccaa tagagttagg 63780
 gaattctgat gctgcttatg atctggcacc ttcatagcaa tcatattctt gtcagttagt 63840
 ttttaataatg acttgactct taaataaata gaaatacaaa ttcttccctt cctgggagta 63900
 aatatgattt catagctatg ccctataatt ctctcaaaa aaataaaatg ttaaaaatcc 63960
 aagggcagca tttcatataa gtgtttcata ggaagtcagt tctccaaatg gctttgtctt 64020
 tttttttttt ctttttcttt tttgagacag ggtctcattc tgtcacttag gctggagtgc 64080
 agtgggtgta tcatggctca ttgcaggttc aacttcctga tgcaggatc agctgaccc 64140
 tctgcctcag tctcctgagt agctgggact acaggcatgt gccaccatgc ctggctactt 64200
 tttgcatttt tttgtagaga caggttttca ccatgttgcc caggctggtc ttgaattcct 64260
 aggtcaagc aatcaaccgc ccttgccctc cttaaagtgt gggattacag gtgtgagtca 64320
 ccacgcccac cccttttctt ctttcatggg aaaatgctac cacatttgtg gtgatgagat 64380
 ttttgtacta atcagtgccg gatttaaagc ctagcatgct atagagaatg gaataaaca 64440
 ttctggagta gttttaagta ggagtataat tacatttata cacattgttg tgatatgagg 64500
 taggatcctt ttttaattagt tgtaagacac gtcataataa cctgataggc gttctgaagt 64560
 gaatctagta ttgtgtttga attttcttc attaggcagt aagatcttga agaaaaggaa 64620
 tgcactgtgt taccttttcc tccacatgtg acctatgctt tgctttgcct ctaattattg 64680
 cccattagat aaatgttttt agagcaagat atcaaagcaa attgtagaac actggtgatg 64740
 tcacaagcta tctgagctta tccatgcatt tgttgattaa ttcggcattt ccgtattgcc 64800
 cattctttaa ccctcatctt tatgagagag ctgagagacc tgaatgaagg acagggtcag 64860
 agagcgtgga ggtccttatt ctgatgctgc cattaagact ggtgtcctgt tttgacctca 64920
 aagatttctc tgtgaaatga gatatgtgtg tgtatgtgtg cgtttgtgtg aatgtgtttg 64980
 cacatacaca cgtgtgtgca ttttaagataa ttttataaca atttaaaaag ctgctcttta 65040
 ttaggcactt gttatgagct gggcatcata taccattat ctcatttaat cttatcaaca 65100
 acactctaag ttcatatcac gattccattt ttacagggga ggaaacatca gtttccctaa 65160
 agagggtgagt aactttccaa ccaccaaggt ggtagagctg gtagtcagcg caagggtgga 65220
 ctgactgtac actctctcat ccaaatagtc tacaggccct ttaagtagat cttggtttat 65280
 aataagctcc agtctctttt aaacttgtgc tttatgttga atgctgtatt agtccattct 65340
 cactataaag aactatctga gactaagcaa tttataaaga aaagaggttt aattgattca 65400
 cagttccgca ggctgtgcag gaagcatggc ttgggaggct tcaggaaact tacaatcatg 65460
 gcagaagacg aaggggaggc aggcattgtc tatatggctg gagcaggagg aagagagagc 65520
 aaagggaggg atgctacaca cttttaaaca accatatctt ggcctggcgc ggtggcttac 65580
 acctgtaate ccagcacttt gggaggccaa ggtgggtgga tgacctgaga tcaggagttc 65640
 gagaccaacc tggccaacat ggtgaaaccc catctctacc taaaatacaa aaattagcca 65700
 ggcgtggtgg tgtgcacctg tgggtcccagc tactagggag gctgaggcag aagaattgct 65760
 tgaacctggg aggcagaggt tgcagtgagc cgagatcatg ccactgcact ccagcctagg 65820
 catcagagca tgactctctc aaaacaaaaa caaaaacaaa aagccaaaca aacagatttc 65880
 atgagaactc actcactatc acaagaacag caagagggaa atctgcccc accatacccc 65940
 ttctcctaca ctggggatta caattcaaca tgagatttg gcaggacat aaatccaaac 66000
 catatcagac actttccaga attttagcag tcaaaaagca ttagatggcc aggtgtggtg 66060
 gttcatgctg gtaatcccag cagcttgggg ggccaaggcg gatggattgc ttgagcccag 66120
 cagttcgaga ccagcttgga caacatggca aaaccctttt gtacaaaaag ttacaaaaat 66180
 tagatgggtg tgggtggcaca cgcctgaagt ccagctact tgggaggctg aggtgggagg 66240
 atcacctgag cccgggaagt caaggctgca gtgagccatg attgtgccac agtactccag 66300
 cctgggaaac agagtgagac cttgtctcag taagtaaate attagagttc ctggctgcct 66360
 aacaggaagc atttctgttt cttctcccta tgcacattga gcatcagtc tggacctggg 66420
 atgcttttag atctccatct actatgactt acagattcat ccttgtgttt atctacagtc 66480
 tttctcacia tataagttaa gcaggtttaa ctgctgaatc tgtgtcaaat cattgcacca 66540
 aatcattaca ttttgccctt cagttcactg ataccttcac aaggatgaaa gtgtccactc 66600
 ttacagacca gggagctttc tcacacttta tgcctctgag cagcactgta tgtagcagtc 66660
 acaagaaaca cagtatttaa aaatagtctg ttttcacatc tggaagggtt ttcagtgtgc 66720
 tgtgttttaa gttggaaaga tagtactatt gtatctcacc caagtctgaa aggagtgact 66780
 ggagagtaga aagtagatgg aaagtattta tttcatcatg tctcttggtt ggattgagtg 66840

aaccctcat aaagccaagc tggaaatgtgt gcttcatatt attaataacc aaaatagagt 66900
atccagagaa gcatgatacc ctcaaaatgc ctggatagcc tagaagagcc ttagctctta 66960
cagccatcgt ggggagggat tttccaacaa gtaagaccac ttcattgggt actgtgggac 67020
tccagaggag agtaatgggc cactatccct aaaggtgaag aaagatgggt tgctgttatg 67080
aaggggacat tctcatccat tcathtagtc attcattcat ctatccatcc atccacttgt 67140
tctcagaatt gctgctgaac tctgcatgt atcaggtaac atgccagggt ttggggagag 67200
aaagaagaag acacggccgg gtccgggtggc tcacgcctgt aatcccacca ctgtgggagg 67260
ccgagtcaag cggatcacga tgtcaggagt ttgagaccag cctgaccaac atggtgaaac 67320
cctgtctcta ctaaaaatagc aaaaattagc tgggcgtggt ggcagggtgcc tgtaatccca 67380
gccactcagg aggtcaggc aggagagtgt cttgaacctg ggaggcggag gttacagtga 67440
gctgagatgg tgccattgca ctccagcctg ggcaagagaa tgagactccg tctcgaaaaa 67500
aaaaaaaaaa aagactcacc ataagcaagt tactcacctc ttgtttcttc atcaatagaa 67560
tgtggcctca ggggtgctgag aggattaaat gcagtaattc atgagaaagg ctttgaactg 67620
tgcttggcac acggtaaatg ctcaaaaaag gattattatt gctgcttcta ttgctgctac 67680
tgttctttat attattcagg gagctcagat tttcaagcag tggttcttaa tgggatgggg 67740
tggggtcacc ggggagggga tgggtgcctc tagggggcat ttggcaatgt ccggagacat 67800
ttttggttgt tacagctggg gaggtgctat agacatctag tgggtagagg ccagggttgc 67860
tgctagacat cctacaatgc acagcataga cccccctcc cacaaagaat tatccagttc 67920
aacatgctca taggttgaga agcactggag gaagaggcat gtaagccaat aattacaatc 67980
ttttggaata gagctatctg aaagacgtcc aaaaaatgga gccctagtga ggcaaataga 68040
gctcagagaa tttttgtgg ttatttatct ccttcagtc ccacagctgt tctgtgagga 68100
taatctttgg tgccacata cagacgagga aatgaggcag caggagctga aatgatggct 68160
taagttcacc tgggttagaaa tggaggatcc agggtttact gccaggcagt ctgaccacat 68220
atcccaggct ctgaaccacc atgactgga acagaaacac gatattctggg agggattcat 68280
tggttagggc atggttgagg ggtatcccaa tggctggcat gtggcccatg ggaaaatgct 68340
aacaagtttg tgggtgacaag aatgttatac taatcagttc cagatttgag gcattgaaag 68400
tgatcagaat ggcttgaact gagaagtatg agagtacgtg gaaatgagac tgggaagggg 68460
gtcgtgggag ctgggctgag gaggtgctta gaggaccttt atgttgtgga atgtcgagt 68520
actgaaagct ttaagcagag cttggaagat ggaacttggc tgctgaaaaa accttttagc 68580
aatgaggaag ttgggttgga ggaaggagaa acgggaagaa ggaagaccag ttagaatgtt 68640
gcaacatcac aggtgaggga tgctgagaga tagagaaaag gctatattta agaaagttga 68700
cagagaaaac ttgaaaatta ctcaaacctg actcagcaaa gatttctgct atgtgctgca 68760
tatccctgca tggcctgtag cccccaagac tggggggtta atctcccac gttaaatcct 68820
ataccactta atgagctgag tgaattgggc aaatatcatg ttgccccggc ctactgctc 68880
ttctgtgaaa tggagattgc gatcacgggtg tctacctgtt agacactatg gtggtctgag 68940
gattaaacaa aagaagctca gtaactttga gctcttgtta ttgctgctgc ttatttgtta 69000
gggaaggaag aaaaaaagaa accagaaaac tcctaactga tgcgcacgtg ggagttctgc 69060
tgagggaaaa gagaagaagg tgtctgaaat gactcttggg cttcaaactc tggattttct 69120
catagaaaaa ttttatttct actgttcaag tgcagagtgc ccatcacaga agtcgctccc 69180
agagtgttag gctgggctgc tcacaccatg atgctctgtc tttgtggctt gagctcaggg 69240
aatcagcaca gcaagttgct attccattga gagggtttac tgtgggcate tagaatgtca 69300
tctttatcct tcgtcttact ggagactgtc agtctcacat ttattaagta gacactaggg 69360
ccggctccac tgatctctct ccccgctgct tctctgggtt gaggcacagt ttcagagAAC 69420
ctgagggacc cgggtgggctc aggcggcctc aaagcagcag gtcacctgac cagtggagtg 69480
accacagatt ccaaggtgtg accgagtga agggcttata tcccacatgc ctgactgcag 69540
ttaaacctta atgaggtatg tggatcttct agaggaaggg ccaggccctc ttaataagga 69600
cccttctgaa caaagagaca agatgctaata ccgaattcca ctaggacca gtttgatgtc 69660
ctagggccag ccgtttaacc cgagctgggg ctcagcagtt aagcacatag aggacacaaa 69720
agatgcatcc gtctctagaa tcttaccctt gagatgtgag ggagtgtgca gacgattgta 69780
aatgggtaac ttctgcaga gctggtgtaa taataaaata tagctaccac ttactgattg 69840
tttactttcc tctagactct gttctaagt cttgaatcct ctagctcatt taactcttgc 69900
aagaagccta caaagtaggt actttttttt attccttttt tttaaaacag ggtcttgcctc 69960
tcttaccac actggagtgc agtgggtgcaa tcatggttca ctgtagcctg gaactcctag 70020
gctcaagcaa tctctctgcc tcagcctcct cagaacgttt ctgggggtag gttggtccaa 70080
tcccctcaga gtgagcagggt tatctcactc cctggaaggc tggcttctcc cctgcctctc 70140
ttcgggtgctt gcctccagca agttactgaa gtcctcagag gcctctccac cgtgaaatgg 70200
acactgtctg tctgtgggac tacagggtgga taccaccaga ccagctaata ttttaatttt 70260

tttttttttt	ttggtagaga	caggggtctca	ctgtgttgct	cgtgctgggc	tgaaactcct	70320
ggcctcaagc	aatcctccca	cctcagcctc	ccaaagtgtc	gatattacag	gtttgaggca	70380
ccatgccag	tctgaagtag	gttcaatcat	catctcattt	tatggatgag	gaaataaatc	70440
ccaagaagtt	aaataacttg	tccaagtcca	gacagccaat	aagtgattaa	acttggattt	70500
gagccctggg	aagccagact	ccagagccca	cacaactgaa	cccttgtgcc	atactgctta	70560
cttgcatcaa	tggtgagtat	ccccctacta	atatgtagac	ctcttcataa	agcttttact	70620
ccaaggaaaa	ggctggaggg	agaaggaaac	atgattcaag	aaactgggct	gtctggcatg	70680
gtgctatagc	actccacgtg	gggaatattg	tgttttcaaa	gaaagggtgt	gttagaaggg	70740
gaatgatcat	ggacgttata	tcagatagac	ttggtccctc	aacaccacta	aacctaaggc	70800
ccctcctcat	attaaaggga	tcacagtcct	cattagatg	attgtgggga	gtgagtgaac	70860
ctagcagagt	gcctggcatg	tcactggcat	caggaaatgc	tatttccttc	tcccaccctg	70920
ctttcttctc	tcaagcgaac	tgagtagaca	aagataatta	tacctggagt	acttgcattt	70980
ctttggcagt	agaataaagt	aaattaaatg	tatttttgaa	gttgagggtt	ccatgaactt	71040
gatttggcgg	tcactgtgtc	ccaagaaagc	ctttatcttt	gacgtcctca	catgccgcaa	71100
ttgcttatct	ccctgttccc	agtgcaattg	tcttagaagc	ttctatactg	actagtcttg	71160
gagaaagcca	taaaacattc	ctcttttgtg	atcctcaaag	aataaaatcg	tgaggagcct	71220
tcgctgactg	acggggaagt	gtagaatgaa	tgcttcgggt	tgacgggatg	atcattggca	71280
gcagtctttt	ttcagggttat	gaattctgat	gtttcccgga	tgtttgaaga	ttttgagtgt	71340
cttcagggga	gctcgagtgg	tcccatggct	gccatttctt	ctgggtcatag	cctcgctgaa	71400
gggaatagca	tttcacggga	gtgggttttag	gggtggatga	ggcaccatc	gggaaggaca	71460
tgggattttt	cattctaaagt	gccttgccat	aaagcaaagc	acaggggtct	attcctctct	71520
ctctggagaa	tgtttctggg	ggcaggttgg	tctaateccc	tcagagttag	cagggttatct	71580
cactccctgg	taggctgcct	tcttccttgg	ctcacttcag	tccttgccctc	cagcaagagg	71640
ggtctctcca	atgcaaaatg	gtcactgtct	gttcatgata	gtttttctgt	ctgaagaaag	71700
tcccggggcc	ttcatctgca	tggttggggc	taggtctgga	actgcctgga	gcagagcct	71760
tttggggggt	ctcttccac	ctgctttgtc	tctctctctc	tctccccctc	accctgactg	71820
gtccagtac	tctttatggt	ggtgaacaga	aactttacca	ttggttttca	ctttatgacg	71880
tctatgggt	tccccctctc	gcccccaaga	tggcgtctca	ctctgttgcc	cagactggag	71940
tgcaatgggtg	agatcttagc	tcactgcaac	ctctgcctcc	tggattcaag	tgattctcct	72000
gcctcagcct	cccaagtagc	agggattaca	ggctacttca	ccacccagc	taatttttgt	72060
atttttagta	gagacagggt	gttgccagggt	tggccagact	ggtctcaaac	tcctgacctc	72120
aggatgatctg	cccacctcag	cctcccgaag	ttttgggatt	acaggtgtga	gccactgtgc	72180
cggctaagga	tttttttttt	aatcctttcc	aaatagagtt	tcagataactt	tgctcagtac	72240
tgtgtttgat	gagtattatt	tggcaagatt	tattattttt	tcattaaaaa	attaaaaatg	72300
acctataata	attgtatgta	tttatgaggt	acctcgtgat	gtttccatac	ctacaatgta	72360
tgatgatcag	atccgggaaa	ttagcatatt	catcatctca	aacatttatc	atttctttgt	72420
gttgggaacg	ttcaatatcc	tccttttagc	tatttgaaac	tatatactag	attattgtta	72480
actgtagtcc	atcctgcagt	ggtatagaac	actagaattt	attcctgtta	tcttgctgta	72540
attatgtccc	gtttaacaaa	tccttcccta	tcctctgctc	ccctgactct	ttccagtcag	72600
cattatttat	taggcactga	ttctgtgctg	gctgggtgct	agagagttta	catatattac	72660
ttagcttcat	ttgcctctct	ccattgcacc	aagaggcggc	cactgttgct	gccccatttt	72720
acagagggtg	aagttcttgc	atctagctag	tgaccaaagc	aggacttgag	tctagctaga	72780
tctctctgac	tccagaggcc	acgctctctt	aatcgtactc	tccttggctt	gacacgggtg	72840
gcttagagag	tacataattg	gatcaagaca	aattcctcct	gacgaaggga	aaacccactc	72900
aaacaacatg	atgagcagcg	tcctttgtga	cagtttagtgc	ttgccttcta	acgcagagct	72960
ctctctcctg	tcctcttcc	gtatttgtaa	cctttctgac	atacagagag	cctgcagac	73020
aaggctgggg	tgccagattg	ttggcctctg	gcttactgac	tcattttatt	ggctgtgcgc	73080
attgggcctg	actctaccat	gttttagtgg	agaaagattt	agtctaagat	gtgggcagcg	73140
gcatgtgagg	agtgggtatt	gtgctgtggg	cctgggtatg	aacctttgat	gttgtcatgg	73200
caaccaaaagc	tgctattctg	cagatgagag	gactagatat	tatgaactgt	caaactgttc	73260
tctccataac	caaggagatg	ttggtaatct	ccttggtaat	ttgcatgacc	cataaacatt	73320
tcccaaggct	gtggctctgc	ccttctgcca	agacccgagt	cactcacttg	ctcactcact	73380
tactcatttg	ctcactcact	tattcattct	ttcattcaac	aaacttggtg	attgcctact	73440
gtgctagatg	ctgggatgta	atgggtgaata	aaagacagac	atgggtccctg	ccttcttgga	73500
gcttataact	aggatgacca	aatgtcccag	gttttgtggg	tctggagtaa	ttgttaatag	73560
tgcccccttc	tctctcagaa	gtgtcctggg	gctgggcgtg	gtgggtcatg	tctataatct	73620
cagcactttg	ggaggctgag	gcaggcggtg	cacttgagct	caggagtttg	agaccagcct	73680

B²

gggcaacatg gcaaaacccc atctatatta aaaaaaaagt gtcttggttt gaaatataaa 73740
 atatatagtg accctactta tagacagtgg gagagccaaa ccttatgcat gttattacac 73800
 aaataattgt aactaaaagc cagatgaaag ttgcaaagga gagggagcta gagctatggg 73860
 acacccaaat aggagaactg atttagtagg acaaagattc caggcagaga gggctgagtc 73920
 aaggccctgg atgggaggaa gcaacatgcc atggctgagg acttgagaga agtgagcaaa 73980
 tgtggccaaa gggcatttag caaagggaac ttagaaagca atttggctgg agacaggcag 74040
 gagccaaacc acgcaggtgc tgattctgaa ttttatctta agagcactgt gaagcttaca 74100
 gttatgtttt cagtagcaga gtgatataat ctggccaatc agtacattgc cattttggtt 74160
 cttcgataaa acccaaaggg ttttaagtta tttgttcatt aattcaataa ctaaaccattt 74220
 atggagtggc aactgtggca ctctgctaag ttttttgcct tggagtctcg aactcaattg 74280
 tcctcagtg tgccaaaact caactcttgg ggggaagcct tatgggccct ttatgttggg 74340
 tcgtgtcctg cttggcacca tttgcccccc atttgctaga ctctcttggg tgacctttac 74400
 ttttctctgt cctctttcca tgactgtgag ctctttgaag ttgaatctat gtcttttatc 74460
 aatatatccc ttctgcctgg cacagtggct ggccaataga aaatgctaaa ggcttgagga 74520
 atgaaggaat ggtgcttttt gtgtctgacc tttttttttt ttgttttttt tgagacagag 74580
 tcttgctctg tctcccaggc tggagtgcct tggcatgac tcagctcact gcaacctcca 74640
 cctcctgggt tcaagcgatt cttctgcctc ggcctcccta gtagctggga ctacaggtgt 74700
 gcaccaccac gccagctaa tttttgtatt ttttagtagag acgggggttc atcatattgg 74760
 ccaggctggt cttgaactct tgaccttgtg atctgccac ctcgccctcc caaagtgtg 74820
 ggattacagg catgagccac tgtgccagc ctttgtatct gtttgaagac caagagccct 74880
 tcatttagaa ctttcacaga aggaaagcaa aaaattcttt tgtttctgtt ttacaagtct 74940
 tttctttttg gtctggttgt caatagtact tctctggatc cgctcctgt attcaagtga 75000
 tttttctgtc tcagcctcct gagaagctgg gactacagg gtgtgccacc acaccagct 75060
 aagacaaaaa ctcacctgtg tgtcttcttt atgcatgagc agattccctt ggtatctata 75120
 gccgtcgaag ctttacgtat ttccctattt agggacataa gaatttttag gaaagcagcg 75180
 tgttgaaaag cacggcacct gagatgttca tggaaatcct tgttgtgact tcagagtga 75240
 gatctagagc agccctctgt ttgtctgccc tgggccatcc cctatttcaa gcagctctta 75300
 gtccaggaag tttaggtaga agctcaggca gcaggtgagc tctggagagt gcaggttcgg 75360
 gttcttttag cccaggggca caactctgag ttgaagtgc tcctcctggc tgttgccttg 75420
 aatttagaag agctgccctt tcaccagcaa ggcagtcacg caaaagatgc ttcaatgtgt 75480
 gcaagatcag gcctgcagcc cccagcctgt gtctacaggc ctccgagtc ttattattac 75540
 ggtttctatc cctgggggta ttgatttcat cactgttttag tgaaggagat ctaaagcttt 75600
 taagccagaa attaaagagg taatggaaat tggcatgcca ctggaaaatg aatttgcaa 75660
 tgagaattca atgttctaaa aaaactccca taaaaataaa accaaaacc agaagtgaat 75720
 gctcctgtga ctgcattttt ttccaaatgt gcatgggttt gttctccttt agagtgtggc 75780
 tgtatacatt atggaataat gagattttga tgggtgtctg ttcttacaat tgctcttatt 75840
 acttatcaca atacaatgta ttcatttata taactaatat ttacttagta cctataatga 75900
 agcaggtgct atgtttggct ctagcgatta aaaaacaata aaaaatgcaa gatgcctcca 75960
 ccctgtcctc agggagcttg aggttcagta ttaattatat cgctagccaa ttctggcatg 76020
 gtgcttactg tggacaggaa ctgctctaaa tgcttcacgt gtagtaactc atttaaattt 76080
 tacattgatc ctatgaagtg gggtaaagcaa cagaggaaca gagaagttaa ataacttgc 76140
 caagctgaag tgagaggtgg aactgtgatc cggccaaggc agtccggctc tagaatccat 76200
 ggttttttagc catgatgctc tactctagtg gatagttaca gccagtagc tattggttac 76260
 tagattgggt ctagaagaca aggaagcact caggtcctta gtcacagagc aggagtctct 76320
 gactcaacct atgggacccc caagaggacc ttcatcacc tgtgagtcaa ctgcagagag 76380
 tcgtgattac ctctgggttg tcctttagag tggcagggtc ttgtgtctta acataagggtg 76440
 ttgaagctgg gtcacccttt tcgatctaaa accaatgtcc atgggttatc attcaggtct 76500
 gcaattaaga gtagcttgct actttatatt gggaacattt atttttcctt ccttctctat 76560
 ggaaatgggc agaagagatg aaaagcctgc tgggtgcagc taactttcct cagtaagtga 76620
 gtgtttaacc ttttgttttt ttaaaaatgg agatgagaca taaaaattat gacttctcta 76680
 tgttgcctt ttttttagtt ggaagaaggt gacatgacag atgagcttta gaaaaatgtt 76740
 tagaaggtga acagagaact attcgtggaa gataggaggc tagagttaaa agagaggact 76800
 ttttaaccagt ctgagctctg acacttccta actactataa cctcacagga ttttgtgagg 76860
 actaaatagg ataataaggc ggagtctgcc acattgcaag tgctggcagc tatgattaat 76920
 tttaggagta ttctagaact ttccctgaag tttctagcat tgtctgcact tccttgtttc 76980
 tccccttatc aaactatgct cagggagatt tgggtgactc ttcttaagga ggcacagaaa 77040
 atgatttttt ttttttttgg cacagaatct tgttctgtaa agggcagctc tgctctgtgg 77100

B2

aggctggagt aaagtagcac gatcatggct tactgcagcc tctgcttccct gggctccaac 77160
 gatcctccca cctgaacctc ccgagtggct aggactacag gcatgcacca ccatacctgt 77220
 gtaatttttg tattttttgt agagatggga ttttgccatg ttgcccaggc tggccttgaa 77280
 ctectgcgct caagcaatcc tectgtctca gcctcccaaa gtatggggat tattggcatg 77340
 aactaccatg cccagctgga aatgaaatct taatttgtga ttaatattga tcaactcaaaa 77400
 gcaacaaaga gccctaaggt aaatagctac aataaaagca agatagcaga agcctctctt 77460
 tttcatgatg ttattaatca tctaaatatt aaatttcagg ctctgttcaa tgcaatggca 77520
 atggaaggaa tagtaacctt ccatttagtg cacagtgtaa tgaatcagaa ttcttgtagc 77580
 tgcttttgta gtccagtaca gttttttaa aatagaaatt ggatagacct atttttaatg 77640
 ggaatgatct caagtgcaga gagagcaagg catatatcag acactctcct caggaccagg 77700
 gcaatttttc aacatcagtt ggcaaatttg ttattctgcc tgtagagtgt aagtccaaac 77760
 tgagatgaaa gagtgcagc ttgttagtct gaaagtttat tgatcatatc aaagtataca 77820
 catctatccc tgattcctta gtggacttga tactttcctc gtggtttaaa atttgtctta 77880
 tttcatcctt ccatgtagtc aaagagagac agaggaaatg cattttccat cataaggcac 77940
 aatttggaag ctacaagagt gccccaaat atggcctggc ctcataagat aatattttaga 78000
 tagattagtc gttagtgaat acccaagggg ctaatgaatt gagtctcaga aatccccatt 78060
 gtaagggatt aactttagt agcaaggaaa gctagcgtgt ctaagaccat acgccatgag 78120
 caagcatgct agcccatcct gggtttctct ctctcttctt ccaaacagat tctccacttg 78180
 ccctgtcctt tctgccagtg gccttcactt tagatttata actaggctgt aaagttctaa 78240
 tgaaaacttg ctgcctggct ccctgaggac ctgaggaaag gctaataatt gcacataact 78300
 gggtagcttag ggcagtagga aaatacacgt cattgtaata tccaccacag cactgaagg 78360
 gcctctttct ttacctttt atggtctggt ctgcttttta tgagggactc tgaggtggtg 78420
 tggcagttag gaaggccact tgattggggc gtgtccactc aggtcagccc aggttgact 78480
 gccatattgg ctgtgtctgg gtgggaggt aaggcacacg tgcgtcagcc tgcattctct 78540
 tcccttcgtc ctattgcagg tagctgggtg tcccaggctg ggtgtgagcc agcctgcct 78600
 tcccagatgt gggaaagctgt gcgtctgaga tagagaaaaa agaactcaag gtagagagaa 78660
 gcgcctttgc agagttcagg atggtgaact tectgttgac aattctaaga gcattgtttg 78720
 ctagctttct tgcgcaccag atgtgtactg tacacacagc actttaccat tctcagtgct 78780
 atgagctcct tgggggcagc agtgttgccc actgtactag gtcctcacca gggctgagtt 78840
 aatctgtact ctaggaaagt ctccgaaagg gttcctgtta ctaatactcc tgaataagaa 78900
 atgacaaggc acagtgcctg aagtcttatg ttcattttta gacaactctg acaacaacct 78960
 tgtatggaag gtattagtcc tcattttata gatgaggaaa tcaaggttca gagaagctga 79020
 acagcttgca aggtgaatg gttaccgctt tatccaagaa ctttccctgt tgcaagagta 79080
 atgtatgagg tgctccact gtcttctctc gcaactgaatc caagacatct ctgaatcagc 79140
 caaaaaagt cctcactggg tgtggcccca gaaatcctct ctgagacctt cccatgggtg 79200
 tttgaaatat tgtgaactca ccttgccctt ggaagattca cttgtgtggc tgtggaatat 79260
 ttatatgtga aatacttctg aagcaggtga aagaaaaagt aattgtggca agcaaattaa 79320
 atattgtctt tccacttcaa acccgaggct cttcggccat aaatgtgtga ggaggtggag 79380
 agatgttgct gccctgctgc tgggggtttt aatcattagg ggcatttttg agtagtaatg 79440
 aatgtggtct gccagttgcc tttctcacag agtttgtggc tttcctccca actgctaata 79500
 gctggaatag gctccctttt tttttttttt ttttttttct tgagacggag tctcgtctctg 79560
 tccccaggc tggagtgcag tggcgcgatc tgggctcacc gcaagctcag cctccctgg 79620
 tcatgccatt ctctgcctc agcctcccga gtagctggga ctacaggcgc ccgccaccat 79680
 cctggctaac acggtgaaac cccgtctcta ctaaaaatag gctcactttt aatacatttt 79740
 agaaaccact ttccacattc atgcccctcat cctgcctcaa tccctggcta aatctccaat 79800
 tcataatccc tttgctgact gtgccgttca gggagtaaga acgtgggtgga cgcagccacc 79860
 attgtaccct cagatgaagt cctttctcga gagacaaaca gtctgttagt aaaatgacca 79920
 tacatcctgg gttgcacctg tectgtggtc ccagcatagc tgttaacaga gctacctttt 79980
 tatttgcaag ttccctgctt tggacaatag atcaactggc catccagcta ttagcgtcca 80040
 tgcataaagc acgaatctgt tgtattcttc agccaatctg agacaaccaa gagattactg 80100
 ctgcaccttt gtttgtcttt ctttttgggtg gcacataagg aaacagagaa acagatgatc 80160
 tcaccgagtg cacagatcat aggagaaaag ccacagacag ttagtgggtcc cctgtgggtc 80220
 atcattcatc ccagtgcagc actaacgctc atgatgggtat cgcacgctgt ctggagcagt 80280
 gattcatgta gctggcggtt cctgatggga ggaaactggg ggggaaaacg tgggtggggg 80340
 tectgtgagg ggtccagtta cctcctcctc ctctcttctt aagcgcataca gctacagacc 80400
 cgcctcactt tgtgagaggt tgcagtttct ctcttctgcc tgtcaggtag tcctaatagca 80460
 tgggtgtggg gagggaggac aaggagaaaa gaggggcaca gaatctttta gatcctgccc 80520

tctttcaagt	cagctctcca	cctcttttta	aaagaaacaa	atcattatta	ttttgttggt	80580
tttgttgagt	tgcttttgtg	tttgtccta	tttagaaaga	agtaaaatgt	tttcctctca	80640
cacctctggg	aagataatat	atctaaat	attagtttag	tttgttcatt	tattttattgt	80700
taacttaaaa	cattcactcc	cgtgccat	actgggtagc	tgagtgggtg	ctggaaatgc	80760
cagcttagag	gctaaaaagg	aaattcaagg	aggaatggaa	ttaaaatgta	aagtaatgcc	80820
ctcttatcta	cagtatcccc	tcgtatctaa	ttatctgtct	acctctattg	aattatctgc	80880
ctgtgtgaat	tttttgatcc	ttgtaagatc	tctctgaact	tgataatggt	tgaacttgta	80940
agtgaacaaa	tgatgctcac	tgagtctgaa	attattaaat	aacattgggt	gaacctctac	81000
cctgtaacat	cttttgagct	aaactgttcc	gagctcagtt	gtgccatttc	atcatctgtg	81060
tgctcataca	ttctaattggg	ctgcccctcca	ttcacttctg	cagcctgaat	gcaggtaatt	81120
ttttcttttt	ttttttgaga	cagagtctca	ctctgttgcc	caggctggag	tgcagttagc	81180
cgatctcggc	tcactgcaag	ctccacctcc	caggttcacg	ccattctcct	gcctcagcct	81240
cccagtagc	tgggactaca	gcgcccgcga	ccacgcctgg	ctaataat	tgtattttta	81300
gtagagatgg	ggtttcacca	tgtaggcag	gatggcctca	aactcctgac	cttgtgatcc	81360
acctgccttg	gcctcccaaa	gtgctgggat	tacaggcatg	agccaccgtg	cccggctgag	81420
aaaaatctta	aaagcaaatg	catttaatt	taaaatgttt	tacttgagct	caaacaatta	81480
agatcatttg	aaaatacttc	gaaaattaat	aaaaattaga	actgtaaact	caattagaat	81540
tattattatt	gagttaaaaa	tgatgttgcc	aattcaaatg	gtaacgtcag	ttataacccg	81600
agtttgctga	ttcatttgaa	ttctggttgt	ttgccagagt	ttttcagagt	cataagatcc	81660
agatagaaaa	tcaaacctca	ttctcagcat	tggggctttc	taaagccttg	tcagaaat	81720
ggtgactcgt	gggagagctt	atcttctcc	ttttcattga	gtcttgctct	caaggagtta	81780
gttcagatca	tcagtggccc	tactttgccc	ataacaagcc	ttatgtataa	ttccacaaa	81840
actgcttccc	cagggcattt	gggtgcattg	gccattttac	tgaagatttg	gcagggagag	81900
aggaattgac	gtcacagata	gaaccagct	gaaattggat	actagatgga	gttgctcttc	81960
aaagacttgg	gcattgccgc	tacggagcct	gaatttccca	cctgtcagtt	gacaccctt	82020
tttgcctgt	tatttcttct	tgctctcctt	tttcagggtt	tttccctttt	ctctgatcct	82080
tccctcttag	ggtataaaaa	tcaacctttt	cctactttta	tttaatttatt	ctttaatttt	82140
attttaacac	agagcgactc	atctctaate	agcttcaaca	gccaagtga	gtttggtgtc	82200
tccatttgca	tgttcaagga	agtagtctaa	ttagaaatga	tctctcgtga	ggtctcttct	82260
gcctaaattc	tgggacaatg	gctatcctcc	ttcctcatct	gtctggaggt	gaagatggga	82320
gtaggggagg	caacatgcat	tctaggtacc	aaaggtagag	gaaaggcaaa	accatccgct	82380
ttgggccaga	caggggtgaa	tcttgccctc	ttcacttctt	ggctgggtga	cctaggacaa	82440
gttaattaag	tttcctgagc	ctgtttcccc	atctctaagg	tgggggataa	tactactttc	82500
ttgcaagtta	tggaaaggat	agaatggaat	cacacacaag	ttgtagaaag	gataaaacag	82560
aatgacgctt	ctagtgcacc	tggcgaaagg	caggcactta	acaactgtta	gttccctttt	82620
cctttcaact	gataaacact	ttccttgagg	gttacatagg	taaacattaa	atatttatga	82680
attgcataat	tcaagaaaaa	tgaacttgga	aaaggattct	tcagattttt	tgatgaaaca	82740
aatcatcgct	cccattgtct	tttgtgcaaa	tctgtgtttt	tgtttgagct	gctgggtttg	82800
cttatgacat	ttgtgtgcaa	ttctcagcac	cgtgagactt	gagtgagcct	aacctctctt	82860
cacagcttga	taggagttgt	aaatattagg	tactgatggg	atgatttgag	gcaacctaa	82920
tgactgaagc	ctagagccct	ccctgcggta	ttatttccaa	gtgggctcat	cagagctgaa	82980
ttgataatga	agatataaac	actggtgaag	gctttgtggc	ttggtctgat	ggtactcata	83040
cggcacagt	aaaatggaga	tgctaccggt	ggaaaggact	caccatctgt	ctgccctcta	83100
gagcagagcg	gaacatacct	ctgatgatta	tgtgaccact	gtcaattagg	ctgatttatg	83160
caaagacagt	ctgtacacat	cccatgcagc	cagattttta	attctagggt	gccaggtttt	83220
gctagaaaca	gtggccggct	gcggtcttgc	ataatattcc	atgttctctt	agaggcagaa	83280
aagaatagac	tcacgacttg	acagaagggt	cttttttccc	ctgtatcatc	cagtcaattg	83340
tctatgagtc	tgccaaatct	agctcgcagc	atctttttgt	acaacccttg	agctgaaaat	83400
ggtttttgca	tattttaaag	attattttaa	aaaagaaaaa	tatccaacag	agaccatata	83460
gtggcccacc	agggctaaaa	tatttactat	ctgacccttt	atggaaaaag	ttgttgatcc	83520
ctggttcaga	gtgtttgaaa	taactcagat	gaaagaaggc	aaaatgtaat	gatgattgac	83580
ttttccagtt	gtaatctgat	ttgtgacaac	cactgtatgc	ctgttttaac	aaagcttaat	83640
gggcattact	taggataaat	gtaattacgt	ttcaatattt	gtgtcttgct	ctccctacat	83700
agggttatcc	caggtttgcc	caaggaacag	agagtctgtt	tggtgttcta	gaagtagctc	83760
ctgtgtctgt	cacctcctct	ccaaggcttc	cacctgtcgc	ttttttatcc	cagttcaccc	83820
gtgtgaacag	catgtgtttc	ggctgccatg	acagcacgtc	ctaccttttt	ccctggcttg	83880
aaagaagatg	gcaggggcca	gctcaggaag	aactgctacg	gagttttttc	accttctcct	83940

gctcgtgatg aggctagggg gggatttttta gcgatatcttt aattgttgcc gaagtatgaa 84000
ctcggggaag ggggcaactg tgaagcagtg atgcatagac taagtctcct ggaagaagca 84060
gggcttgaat tagaccaga aggatgggca ccgtttgttg gagggcacag gtacataagt 84120
acagggaaca tgtcatggag tgtcctgccc agagtgggga atttatagca gtgtgagatg 84180
aaaatgggtc atcattgttg ccagtttgtt ggaaatttta aggtgtatgg aattccaatt 84240
cagttatcat caaggagtca ttgtagctta tttttaaaaa gagcgtatgtg tgtgtgtgtg 84300
gtgtgggggt gggggagagt ggaatgacaa tcatgaaatt ggctactgtt tggtaaacc 84360
taactgggag ccagacattt ggctaagggt gttacttgga ccatctcatt taatcctcac 84420
aacaaccctg tggggaagggt attatctcta gtttgcaaat gaggaacta ggctcagaga 84480
ggttcaaaca acttgcccaa gggtctgaag ttaataacgg ccacagccag gatggctctt 84540
aactcctgcc ctgtggaac aagctcaacg taaaacattc ttacaagaca gaaaagagt 84600
aaaaagcaac caaaatcctg ccttgcgga atgccactt tgggtgaaca ttcttctaga 84660
cattttttgt gtgtgtatat gcacagaaac ttgtaacatt ttgcataatc tgggccacc 84720
catgcctgca agctttctat aaatgtcacc atattctata tcttagcgtt tccccctat 84780
ttaacactaa ttttctgatt ttcacaactg ggtgcatagt attttgctt gggatgctac 84840
catcatccac ttaaccagtt ctctctagat cactgcaggt tcttgagtag gggataatg 84900
tattggaacc tttttttttt tgaagaaaaa aaaaataaac aactttttaa ctgagtctta 84960
tgctttttcc ctttctttgc agcatgctct tgatgctgac aatgcgggag tcagtccaat 85020
aggaaactct tccaacaaca gcagccactg ggacctcggc agtgcctttt tctttgctgg 85080
aactgtcatt acgaccatag gtaccggtt gtttgcta atctcttct ctgcagggtca 85140
tcttgagtaa gggcgcttag tcagtgtttt gtcctcatag catacactat agtttgaggt 85200
tcagaggagg cttacgaaac actgtcgtt aaattaatgc agtcattgtg gtggctttca 85260
acaaaagcca aagcataatg aagtatctct tttccagaa tgaaaggcta gcaaacctaa 85320
tgaaaagggt agaatggaaa atatgagttg gtcgggtgaa ctcggttac tcatttgagc 85380
tcaacttcca ttttaaaaaat tgtacttctt attaaagtta tatagtaagg aaccaaata 85440
ttctacaaaa ttttttataa aaaacagtaa cattctgacc gtctcacctt ttcttacctt 85500
cccagagact gttgctttca tctgttttga ttgttgatt taacactcat ccccatgtct 85560
ttaaatatca tgctgtgct acttctggaa tttttagttt tggggatttt ttttgacttt 85620
ccattgtgga agataggag ttagttctct cttcctgcct gcctcatcac agaagggtc 85680
ttttcctgtc ctctgtctt cccaatat t aattagatag aagtgaacaa tctgcatgat 85740
tttgactaga taaatgctt ctgcagctga tcatagagtg aacagtgatg acctcttcc 85800
tgtatcagtc tttgtcttat tttttgtatg tgtgtctttt ttttctgaca cttgggtgag 85860
tttgtatttt tgtcttaggg gttaacttta tttatttatt tattttattt tattttattt 85920
tattttattt tattttattt tttgagatgg agtttctctc ttatcaccca ggctggagt 85980
cagtggtgca atctcggtc actgcaacct ccgctcacg ggttcaagt attctcttgc 86040
ctcattctcc tgagtagctg ggattacagg cggccaccac catgcctagc taatttttgt 86100
atttttagta gagatggggg ttcaccacat tggccagggt ggtctcaaac tctgacctc 86160
agggtgatctg ccgcctcag cctcccaaag tgttgggatt accggcgtga gccaccgcac 86220
ctggcctagg ggttaacttt ataagtataa tggcatataa taattttagt gttctattcg 86280
ttaaccagca tgtattcgat ccctataacg ggtgatgata tctcttttct ctcttttcc 86340
aacacaaagt tttggtggac atcatctttt aaatgattaa atttgcttat gtttctctta 86400
tatgatttgc cagctttaa tgataactct tggcactcag ctattacata taaggcagtc 86460
agtgaactta gcactcatt ttcctttccc tcttccacta tccactctta ttcattggtg 86520
cattctatat aagttgtatc tcactttatt gtgctttgct ttattgtgct ttgaagatgt 86580
tgagtttttt ttttttaaac taatttaagg tgtatggcaa tcccgcattg aacaagtcta 86640
ttggtgccat ttttccaacg tctgtgtct cactctgtgt ctctgccaca ttttggta 86700
tttcacaata gtttcaacct ttttcatttt tgattatata tgttaaggag atctgtggtc 86760
agtgatcttt gatgtcatga ttgtcattgt tttgggtgca cacaaccat gccctttgaa 86820
gatggtgaac ctaatcaata aatgccgtgt gttctgactg ttcaccagc tggccattca 86880
ggcatcccag atccctgagg cacaatggta ttgaaatttg gccaatat aaccctgcag 86940
tggtcttctca gtgttcaagt gaaaggaaga gtcagttgca tgtctctcat tttaaatgta 87000
aatctagaaa taattaagat tggtaggaa ggcattttga actctgaaac aggccaacag 87060
ctaagtctct tctgccaac agttagcaaa gttgtgagtg caaaggaaat tttgtgtttt 87120
attttttttg agacaggatc tctctgtgtc acccacgcag gagtgcagtg gtgtgatcat 87180
ggttcactgc agccttgatt cctgggtc ca agggatcctc ccacctcagc cccctaagta 87240
gctcagacta ctagtgtgca tcaccattcc tggctaattt ttttaacatt tttttctaga 87300
gatggggttt cactatgtta ccaggtctg tcttgaactt ctgggcccaa gtgatccacc 87360

B2

caccttggcc tcccaaagtg ctggaattac aggcattgagc cactgttcct ggccaggaaa 87420
aattcctgaa agaaattaaa agtgatactc cagttagtgga gcacatgaat gataagaaag 87480
tgaaccagcc ttattgctga tatggagaaa attgttagtg tctggataga agatcaaacc 87540
agccacaaca ttcctttaag ccaaaatcta attcagagca agcgggctct tttcagttct 87600
ataaaggcta agagaggtaa ggaggcttca gaagaaaagt ttgaagctag cagaggttg 87660
tttatgacat ttaaggtaag aagacctttt gataacataa aagtgcaggt taaagtggca 87720
agtgctagtg gagaagctac agcaaattat ccagaaggct tagctaagaa agtggctaca 87780
ctaaacaaca gattttcatt atagacaaaa cagccttata ttacaagggt cgtcttagga 87840
cttccatagt tacagaagag aagtcaatgc ctggcttcaa agcttcaaat gataggctga 87900
ctcttttgtt aggggctatg cagctgggtga ctttatgttg aagccagtgc tctgtttacca 87960
tccagaaaat cctaaggccc ttaaggattc tctgtgctt tctattaaat gggaaacttca 88020
aaagcctgga tgacagcaca tctgtttaca gcatggttta ctgaagagtt taacctcact 88080
gttgagatct actactcaga aaaaagattc ctttcaaaat agttctgttc actgacaatg 88140
cacctagtca cccgagagct ctgatggaaa ggtgcaagga gataaatgtt gttttcatgc 88200
ttgctaatac tacatccatt cttcagccca tggatggagt aattttgact ttgaactctt 88260
attattttaag aaatacattt cataaggctg tagctgccat acataatgat tctctgatg 88320
agtctgagca aagtgatttg aacatcttct ggaaaggagt catcattgta gatgccatta 88380
agaacatttg tgatgaattg gaagaggctca aaataccaac attacaaga gtttggaaga 88440
agttgattcc aaggctcatg gatgactttg agaggttcaa gacttcaact gaggatgcca 88500
ctgctgatgt gttggaatta gaagtagagt gtgaagatgt gactgaaatg ctgcatctca 88560
tgataaaaact tgaatgaatt aggagcttct tcttatggat gaacaaagaa agtgatttct 88620
tgagatggaa tctgtcctcg cctggtaaag atgctgtgaa cattgttgaa atgacaacaa 88680
agaattcaga atattatata aacttagttg ataaagcagt ggcagggttt gagaagattg 88740
attccaattt gaaaaaagtt ctactgtagg taaaatgcta tctaacagca ttgcatgtta 88800
cagagaaatt gtgaaaggaa gagtcaatgg atgtggccaa cttctttgtt gtcttatttc 88860
aagaaattgt cacagccacc ccagccttca acagtcaccg cctgatcag tcagtagtca 88920
tcaacatcaa aggaagacc tccgccagcg aaagcattat gacttgttga aaactcagat 88980
tattattaga atttttggtta ataaagtata ttcaagttaa ggagtatata tacatttttt 89040
agacctaatg ctattgtaca ctcaatagac tctagtagag tgtaaacata acttttatat 89100
gcaactggaa acaaaaaaga aaatgtgtga cttactttat tgtggtggtc tgaagtctaa 89160
ctcacaatgt ctctgacgta tgctgtata acctcagggt atgtaattta gattttaatt 89220
tgttaccctg atatttgcatt ttgttttagt cgtagctcta tagttagata tcattaatgt 89280
tcatctctag tctttttgct gtggtttatc tcatgatcac ttacttggct gaaagtcac 89340
ttcaagtagt tgctttaaga atggctcagg ggagcaatat tctgtgagat cttgcattgt 89400
tcacagttgt agcttaacat ttgaaggata gttgaaacaa aatgaaatcc attttattga 89460
ctcacatttt ctttttcttt ttttttttga gactgggtct tgctctgttg tccaggctgg 89520
agtacagtgg tatgaacata gctcactgca gtctccaact cctgggcccc agtgatcttt 89580
tggcttcagc ctctgagta gctgggacta caggcgcata ccaccagggc tagctaattt 89640
ttaaaatatt ttgtagaagc caggtcttgc tgtgttgccc agactggtct cagactcctg 89700
gcctcaaagg atcctcctac cttggcctcc cagagtgtca ggattacatg tgtgagccac 89760
cacgcctggc tttacatttt ctttttaact ggtctcacag gtgttgetct tctgtttccc 89820
agtttttatg cagctgttgg gggaaacctg atgccagcct tttttcccc acttttatag 89880
gtgactttat ctttttgttc agtgacttaa aatattattt ctctttcatc tgataacatt 89940
actaggtttt gactctttta ttgcattaaa gttttcttga ttgacatctt taaacatttt 90000
ctttgtgtg tggttttggg tttgttcttt gggagattac agctatacat atattgtaac 90060
ttctttgctc atcttctatg tctctcattt ctcttctact ttttaactct taaaatctag 90120
ttttcatttt gttaatttta ttctccctat tcttttagtt tgtatgtttt ccacaatgcc 90180
tgtgtgcca tgagctcctt ccaattttat tttttgtttt tgtgatcaat agggaaatttt 90240
ttccttttcc tgtttctttc ctgaatttca tagctcacat ttcacttca cttgttgttc 90300
catttttcca ctgatttctt gaatttctac tttttggctt ctctgtgaag attcttagag 90360
atgattattt catacttggg cacaattttt gtctgatttt ggaaacattt ttctggtgag 90420
cctctttcca tccattggta agttttgcta ctcttttca attttttttc ttatggaagt 90480
tttatattta tgctgggtca acttcttttt aaaatacctg gccccaggca aactggatat 90540
tcttgacca gctttctgcc aaatgatttc atggagttgg ggagaggaga gcagggtgag 90600
tcagggtacc acctccaga cagcacatcc taactctctt catttctgtg acagagtgtt 90660
tctgcaaata gggctcttct gtattatttc tgtcctacct ccctgttttc tgaaccagat 90720
caagttcagg gtggcttctg ctgctctccc tctttatcct atgtttcatg cttggtaaaa 90780

acagggacat ctcttttgaa gttcagagtg agaccctccc ctttatactt ggatattttc 90840
ggatactttc tgaaatttac cacttttaggg ccctgtcctc attttctgag cttcttcttt 90900
ttattttttg ttcataatggc ttctgtccaa tctccgcttc ttttggtagt tcttacacat 90960
atgctggaat ctctggatta tatecttctt ccagctctgc tgaaaatgag tttgaggatt 91020
ttctgcccac atacaattgt gaagtagcac tgcaacaaaa atcttcattc agaagcagga 91080
gagacaccca gcagtcactg gtccacagca atgagggaca ggcattgaga ggctcccccg 91140
ccctcctggt gggggaaatt ccttcattca aacttgttta tactctctag gaggaactcc 91200
ctgccttatt gctctctgaa gcccagctat gccttttgag aggttctttc ctctgaggca 91260
cagttttgac aatcaacttc ctataggcgc aaatttcaga ggctaacgat tggtttagcg 91320
gcacaggttt ttgcttttgt ttttaagatct agccttcagg acctatgttg tttctagggtg 91380
aaatccagaa agtcatatgc aacaagaaca ttttggtatga aggaaaattg ccattgttat 91440
ttagaacacac tcttaatcta attatatgac atgctagggt tacacttgca aatctgcaaa 91500
tatattgggtg ttagctatta aaagtattca agatgcccat gacaccagtg ggtctggggc 91560
ttagaagcct tttctggcac tctaggccag gttagggtcag cttaatccac agactcacag 91620
cgtccaacaa aggaagctgg gtggcctgac accatttagt atacgggcaa aaagtgttag 91680
caacctgaac aacaccagag ggcgttgctg tagtggatcc aagaagacca atgtcagggt 91740
tcattgtgtt cagcagattg ttaacctggg aaaaagtgtc acgcattgta ggaggatcta 91800
ttgtacacca attaaaattg agaaagtctg ggccacttca agaagtacat tttggaaaat 91860
gctctctgat acccggtatt ggattcatga gacattagt tgtatattga aggaaactcc 91920
taattttctt gtttcatgac atggctaaat gaatgatctg tctgctgcat tgaaaaacac 91980
tatggctaca ttggaagggt cattaatggt atttattgtg ttagcttgtt aggaatccag 92040
gaacttggtt tattgaacaa ctatgtttat tgatccacat aatattatgt gactgaggaa 92100
tgggtggctc atctgcctaa tgaagaacgt ttgatatgag atggtttttg cccttttttg 92160
tgtgtgtgct tacaccggaa tctttgagtt tgagcaaatg gctcttagcc cttggattct 92220
gttgccctgga ttccattcac ttactcacc caggcctcag gtgaacaatc acctgtctta gactaagaaa 92340
ccttccccat gctttgtccc attagttcaa agatggacat atgatctgga ttaggggctt 92400
tccagtgtct ggccacaatt atgacctctc tttcttacta aaggtaagtc tggaaagaga 92460
tgcccggaag ttcggaggaa atgacctctc tttcttacta aaggtaagtc tggaaagaga 92460
caggcctaag gcttagccag tcattttttt ccccttgggt tgttctgctt agaattcatc 92520
aaacactaaa gaagcagagt gaagaaaagg agtgggtgaat ggggtcttgt ttacatcatt 92580
tgagctctgg atgggtgctac ccaggaagt ttaagaaata aatgttaaac ccccttctat 92640
ttactggggt caatatattt tctttcggtg ttttaagcgag tgtgcttga gctttctatt 92700
acctgcaagt gagaacatcc caatacatgc tttgggtcag agctcatgca gggccagtga 92760
atatectctg acctccacag ctagtgaact agcctgctgg ctgctgcagc tgccatctgt 92820
catcatcttt gagccactga ctcttgattt aaagtcttag gcagagccat cctatttggt 92880
catgtgcaca catcctggt gcctaggagc tgtttcctct gtgggtgggag gcaggacact 92940
gtgtcatacc aattatgcac aggaaggggg gctttcccaa aaatcagaag gaaggtggat 93000
gctgaacagg aaactactgc aaaacaaatg tgcataaaa ccaaaagtaa aatgcaaagt 93060
ccacttcagt atcattgtac agtggttaaca ctagagatag ggtccttggt ctatttaatt 93120
tagaaaacac aattttctct ctcactcttt ctttctttta attgaaaaat aatgtattgt 93180
aagttgagca ccatttagct ggctaaattt taactccaga gtggaggatc tttatagagt 93240
catacagtta gagaattcca aagaagccct taatacaatg taagtaagaa taatgagggtg 93300
cagaaataat tgtttttcca gttacttagt ggtaaattca tttgttgcat gtggtcgcaa 93360
ggtttataag aaaactcaga gccagcaat tcttccagtt cttcctgagc aattttccac 93420
tagttaggag tcaggaaaga ggaaccgtga gagctgagga gctgtgtatt tcattaattg 93480
tgaaatacac aaatattggc ctgtttcctt gcgatcataa aatttgcaac gtaattattg 93540
agacattttt gcatattact aaagtctttt gaaaagtgtt ttctttgatg gtttctattg 93600
gatccactat tcacactata atcacatatt cctgggaact taagctgttt ctattttagt 93660
aatagtgtaa caccatgggt ttaacgttgt gaagtgtggt cttcatctct ggttgttgcc 93720
ttggaaagggt taccaagggt ttgctctgtc aaaggaaatg aaaggcttgc caaatttctt 93780
tccagaaagg ctctcatgag cagcttaagg ttatgtactt ttcagacata aaaaatgtgt 93840
ttattaggta gaatgtgtat agacacactt tgtgaataat agaactcttt ctgaaaagca 93900
gcgctactcc ttagtatcag agatcccttt tatctgagga tatcaaagca cttctttttg 93960
aagaagggtt ttcttgtgct gagatatatg gaaagattta caagtgtata gcaaacggaa 94020
taccttcagg cacttctcca gaccagtagc cacgccagaa ggaagagcag actctgctct 94080
gtcaatgaca gggctgcact gcaccctagt ccctttctca gtaactaatt caacgtgaga 94140
aagtcccacc tgcctttgat tattggctca gctgggtgggt cccccgtaac tagcttttct 94200

aagctggatg aatgatgctc acttctatgt gcagatgctt tttcacaagc tgtcatttgt 94260
agaaggacag cgagcgatca ggttcttacc aatatctgtg aaatgcgatt agattttagt 94320
ctgtgaggca ttttcagatt gagccacctg actctgccca catcagagag agagcctctg 94380
gtcaggacca ggtggtagcc agtcactgtg tcactagcct ggcagcctca ttttaaggggt 94440
gtccctatca aactatcgag gcacctgttg gtacttacct agcactggat tggatgttta 94500
ttttttatth tttttttatg ttttattcag agaaggggta ttgctttgtt gcctgggctg 94560
gagtgcagtg gtgtgatcat agcttactgt aacctcaaac tcctagctca aatggctctc 94620
gcgcctcagc caaccaagta gctggaacta tagttgtgca ccaccatgcc gggctaatta 94680
aaaaattttt tttttttag agacaagggc tcacaatatt gttcaggctg gtctcaaatt 94740
cctggcctca agtgatcctc ccaccttggc ctcccaaagt gctgagatta tgagtgtgag 94800
ccccacttga ttttagatggg atgtttaacc tgtgcctttg aaaagagcaa tcaccgtggc 94860
taacattttac tgagtcttta ctagttaacg tgcattgtgc tccacataca ttatctcatt 94920
taatcctgca taaccacatg aggtgggtac tgttatttagc ctcatthttat ctatgagaag 94980
actgaggccc agagaagtta aataacttgc ccggtatttc atagttagta agcagtggag 95040
tccagctaga ttcaccagga ccagctacat aatttgtggc acccagtaca aattgaagtg 95100
gggtccctta gagcattaaa ccaagcacag gacctatcta agcgtgggccc ctgtgggact 95160
gcacaggggtg cacatccata aagcagccct gctgagcag acagactggg gaccataata 95220
agaaagcaca ctctcaacta aacaagtagg gctgcacaac acacagttag gccaagattt 95280
gactttggca cgtaaacagc aaatggaagc ctttgtgtgc actcctcagg cacaagtcct 95340
ctttaaatgc cagctttctc ttcctgaaaa acggggaact cttttctagc cagaggtgaa 95400
cagatctgag ctcatcctgg tgctgtgcgt tcattacagc ctccccttgg ctgthttgccc 95460
ttgtggagtt ggttgtcttc tgctgaaagt caccacctga tgctgtgggt gctatgggag 95520
aacagtgaag tttctggagg gaagatagga atcaaccgcc tgttttctcc tgggactgag 95580
ttttcctgga gacatattgc tcagaaacaa ttccttccca cagtaaagca caaggcaaac 95640
ggggtgctta gtttgcacat tatttcacag gtatttaatc ttcacatgta actcttgctt 95700
tgcatgtaac tcatttaatc tttaatagct atgggtaggc actttaatag ccttgtcttt 95760
tgatgaagaa agtgaggag agagattaag aatgtgccta tgacctgaga gttggtaaat 95820
agaagaatca gaacagaaat ctgtgtagtc tctagtctca gagcctacag acaactgtca 95880
caccttactt caaagttcta cccaagcatt ctagaaggat gagcagggca gtcagagagg 95940
cggggtgtaa ctagatcccc aaatccagaa atgtggtctt cccattgcct cagagcaaag 96000
ctccaaagtg taagtgtctg aattttccca gagtgacagt gttgaggggc aaacagtctc 96060
tccttatagt tcaccaaagg catggagcac aaatacactc acacacacgc ccatgcatga 96120
gatacagcat cactcaagaa tgatgacttt ctgtccactg ggcagtgtgt caccaaagaa 96180
agatggctgt gaatatattt aaaggcttgt ttgagtattg catcactcat gctcttacct 96240
aagaacttag ctthtaattt atttttgtgt tctagtcaac aaaacactga acaaataagg 96300
aaccaattgt gataataata ataataatac tttgcattgg tacagtactt tacagtccat 96360
tgattttttc cccctgcat tttccttgag tacctctgac actaggattt gcagatgtta 96420
agtgggtcta aggagaacta ggtagtgtga ggtggaattt gatccagatc tttcatctcc 96480
tcacttctcc ctgatgctcc atggtaagcc acagtgcctt acccaggagg tgggtggggg 96540
tggtcatctc tgaaagctgg aggaaggggg tgtagcactt gtcaggatta atgagatgcc 96600
tgthcatcca gttccaagcc tccacttgtt tgcttatgtc tgcaatatat ttctttctga 96660
gacacttgga caacctatat tcccaaagt taggctattg tgagacagtc aagctggggg 96720
cttcagtgtt ttcacaagtt acttgaatgt ttccaagagt caccataaac ctgcataaag 96780
tgaaactgta gaggtcattt tatttctttt tcaatagggc tagcttaatg tcagctcgac 96840
cattctagag gggattctt ggaaaaatga ttttgcctaa gttcctgaaa gtacctgaaa 96900
aaagttctga gagctttttt gcatatttaa atcaaaatcc tggtagtaaa aggaaataca 96960
agatgaggaa gcctagcctg aacactcatt ttagaaatgg aagctgtaat ttagattatt 97020
ataagaggtt tgaatgattc agaacagaag attgcaaaag aaagtatcca ggtgactcat 97080
tcccgaaggc agaaggcaac cgtgagttct gcaggcctgt ggggtggctga atgatggact 97140
aaccatcaac gtttttttat catgttgcac tcccaacctg tcaataacca tggaccaat 97200
aactcactca ttgaatagat tcagaaacag gccccacatg atttaccag atttgggaga 97260
atggttagat tactgtctag atacttttta acataagatt gtaatatcaa ttggcacaaa 97320
aatgaatatt aattaattta gactttcatc tccatataaa gtgtgctaag gctataggac 97380
tttttcttcc agcaatactt tctttagcct catccatata gggtaagccc agtactcatt 97440
gtacataaat tacttatgta atggcagtac tcttaagatt gcagatgcgg gtattttcaa 97500
agcactatth gaaatacata ttagtagacc tgactataaa aagattctct tgtattcaaa 97560
catccatcaa taaactttta gcatcttatt accctcaatg caagaggtag ttgggtggag 97620

aggtaggact cagagatgat gtggagttcc cagtaaagag aaaaaaagaa ccagatgggg 97680
 cgaaacttca ctggcggtgg ggagagacag cacaaagcct tcccttccct attctttcct 97740
 gtttttagac ttcccagggt aaggctgtac aattcatgag tcccttctaa ccttgtacta 97800
 gaccacattt cctctttaat atggggtacc cattaccctt caagacagcc acagtcggtc 97860
 caggtggagc ccatgggtaa gactgtgaaa aagaagctct tgtcaaactt aataagtga 97920
 gtggtgattc cttcccacgc attcaggtct cgctaaacta gacatgccc aatgagttg 97980
 tgtttcagaa aaagggtgta tcaacttttg tcagaaatga aaatgaaagt tctgagtgac 98040
 catgaatttc ctaaaatgtg ttaatatcca agaaacctta aaaccgttta taaggggaga 98100
 aggaagagaa gcaatggaac aatggtgcga attgtagagg gcctttgaaa tgaagttcta 98160
 ctccctaaag ctcataagg tgggggaatgt acaaaactttt aaaaaagtct gtgagttcct 98220
 tggtcagtat gctaatttct ctgccactct cctctttttt catatttctc accagggtat 98280
 gggaaatattg tcccgagcac tgaaggaggc aaaatctttt gtattttata tgccatcttt 98340
 ggaattccac tctttggttt cttattggct ggaattggag accaacttgg aacctctttt 98400
 gggaaaagca ttgcaagagt ggagaagggtg tttcgagtga gtactgtgtc atatttaaat 98460
 tctaaccact gcgatccaat tggcttttagc ctgacaggat ccaggaggca gtatcagggg 98520
 cattgtctgc ttttaattgga ataattttta tgttatgatt gtatttttct gttttggcca 98580
 atggaagtca aacatcttgc acctaaactc ccttctttga gtagcttctt attttagagt 98640
 gatatttctg caatcacac acaagagggt taagtatgga tttgccaaca cagatttttt 98700
 gaagagggtga gacaagttca gtttctcctt caagatggaa gatgggggtc ctcattgtgt 98760
 ttgtaatgat gtagaaaact gtaaattccat ccattttgtt gttggaactc ccttactccg 98820
 ttttattttc aagcacagtg tcttcaggct aatcctgctt cttccagaag cctgacttct 98880
 ccagacactg ctctgtgctt tgcacctgtc tctaatggt ctctctctct cccatctctc 98940
 actgctgagt gctccctcag aaatggcatc ctgatgtact acttctact gaactgttga 99000
 tgattgctat tgccttagtg ggttttttcc tttctggaat atttatcttt aaacaagaga 99060
 caactatctc aactcaagga atttattttac taaaattaaa attaatattt aaattattcc 99120
 tggcattagt tgcaggcatg agtggctgag tgattaaacc ggggttccca atgcccttta 99180
 actgcactc atttgtatgc tttcacagaa cacctgtttt gctcagatgt aaggctactt 99240
 ctgccctctt actaccgct gacctaatc tcaagctttt caaaccttcc tcagggaattg 99300
 cttcttatg attagctaat atttacaat gacattctga ggtcttttcc aggatctagg 99360
 aatggtggcc aaaggcagat cagctggaag ctctaaagct gtgctttttt cccctctaa 99420
 gaactcttaa actttgagtt caaggctgtc tctgcaataa tggctcatac ttctctttag 99480
 aagaatgcaa gggagctttc agatgagcag tttcagaggc tttttaaaaa gagtagaatg 99540
 ggaggaacga ggcaccatag ctgggtgagc cattttataa tctcactgat cctgggtcag 99600
 ctgcctcagt ttactcatcc acaaaagggg atagaatttg aatctacttt gtcagggttt 99660
 ggtgatgatt aaatgaaatg atgtgtggaa aagagcttgt catatagggc agacatatag 99720
 agcccagggc ttctgtgttt ctctccaaga gaagccctca tgggcaggct agccactcat 99780
 ccgggtttca tctgaggagc tctgtggtgt gtgagtttta ctggaatgtc ccacagcctt 99840
 tgctccttca tgctggctgg ccggtggcct cattagactg tgcacctggg ctcccagta 99900
 gtctccatgg aaaccatcag tgctcagctt ccctgctttt cagatgttta gttcttctta 99960
 aaccagacat agcagccctg tctccaagaa ctcttttgaa cttcttgga gcacctttt 100020
 agctgctgcc tcatggccct ctgacttaga gaaaaaagaa tctggtagtt tgaacactca 100080
 gaacaggatt caattgggga aatgactgat ctggcatttt tatttttatg tagcttcttt 100140
 agagctcagt ttctttattt gtagaagaaa ggattggact aaaagttttt gaaatcctcc 100200
 ttagcagaaa aaattctagt tactatattt gaagtgtagg aagagggtgc aatcatctgg 100260
 acatctgcta ctaaaatttag ggacttagtc tcccctaagt aatttccgac tacaatatga 100320
 gtatatgggt ctcttcccc ttgaaagtgc gtcctaaatg gaccatcaac agattctgat 100380
 acagagcctt agaaaccttt atgctgattg tccactcagc tccttgagc gccatcaaag 100440
 atcaagattc ttttaggaag gcgagacagt tgcattattat tgaattggca gtgcacaatg 100500
 aatgcatttg ctgagtattg gaggtgcta ttggaaaggg tgaccgaatt ccagggggaa 100560
 tgtaagcaca cttcctaaat atacgaacaa ctgatcctgc agcagtttgc ttgctgcatg 100620
 taaagttttg gtagaaaatc tcagttttct gccattgatt taaactacat ttaaaagtcc 100680
 aattacgttt aggtggttat ttgagaaatg aaaattgtat aagctaacaa agcttggggg 100740
 tgtgaatttt tagttctcat gggggaagg tttatgtatt cttctgctca atgagtgtta 100800
 agcccttctc ttgatctgtt atgttttctc tcagctcttg ggaagagagg atttacggtg 100860
 gagtaaaaat aaaatctaaa gttggctttc tgccgggcat ggtggctcac acctgtaatc 100920
 ctagcagttt gggaggctga ggtgggtgga tcacctgagg tcagaagttc aagaccatcc 100980
 tggccaagat ggtgaaaccc tgtcagtact aaaaatacaa aaatttgcag ggcacgggtg 101040

tgcatgcctg taatcccagc tacttgggag gcgaggcat tagaattgct tgaacccagg 101100
 aggtggaggt tgcagtgagt tgagatcgtg ccactgcact ccaacctggg tgacaggggtg 101160
 agccccgtga ttaatcaatc aatcaataaa taaagtaaat ataaagttgg tcttcaagat 101220
 gcctgaatcc tgaggtgacc ctgttttggg tccttccaac acatcccagg tctgatccctc 101280
 attttaaaga attgctgagg gatattggat tacttagaaa tgcttttggg tgcagaataa 101340
 taaaatgcct gactattgga gtttttatga catgaataaa taagaattct tctcctctgg 101400
 agttcagaac taactgtgaa atggaggagt cagatggaga tcaaattgcc agctttattg 101460
 cttataagct gatcagagaa tatagcttta gctttgttct attgctgtgt aacatatgac 101520
 ttaccctgaa ttaggacctt gctgctgcat tagtttttct attgctgtgt aacatatgac 101580
 tacaatcata gaagcttaaa acaacacttt taaattggcct tcttgacca ccacttaaaa 101640
 tgtttaattt tgctctcaga tgatgttcag aaacaaagga aaggtaaaag taaaggtgcc 101700
 aaattatttg cagatgtgca taaccaaacc caaatgaaac taaaataaga atgctcacia 101760
 ttttcttttt tttttttttt aagtggagat gggatttcac tgtgttgga aggctagtct 101820
 ggaactcctg gcctcaggtg atctgccctc cttggcctcc cagagtgtgt ggattacagg 101880
 cgtgagccac cagcccccagc cacacacatt tttttaagcc ggggtgtacag accaaataac 101940
 atattaaact agatgtaaag aaagaaccaa aagtgaattc accagaaaag acatgccact 102000
 aagacagaat gtaaattctg tagaaaccag agtactcaat gcagaaggat acttttctac 102060
 cagaaagtgc ttgccaacaa acaaacaaac aaaaacgcct tttacagacc caagagggat 102120
 gcaaagttct ttacttaagg cactttttag ccaaatacaa tcacatataa agtcaaaaag 102180
 aactcgccaa agggagggag tctgagaatc tgagaggaga gtcaccaga cagaagaggc 102240
 aacagacaga agcagagagc agaaagggct cagtcagtag tgcactcagt tccagggacc 102300
 tctcattcct ctgaggtgca ctcactttga tcccacttct gacaccattt atgtcaccct 102360
 aaataacata cagacagagg ctcattgaaa gaaaatgata ttactcagg gatgggcatt 102420
 gcagtggtaa catacatgcc agtttaaaact atgtgtgcat tcagggaggt aaagcaaaaa 102480
 aaaaaaaaaa aggtttttta aggaaaaatg aacaggatta cataattgtt ttgagctaat 102540
 tatccttgaa tacaaggatc aataacaagg gtgatgccag tccaaggttg gacagtcagt 102600
 tgctgggtag atgtcttcgc cttttatgat agctcttgta atcaggcatt tgtgcatgag 102660
 aaggtgtgag tttttgcagt cttttatgat agctcttgta atcaggcatt tgtgcatgag 102720
 aatccttctc tctggtctct ccctgactct gtttgcaga gttttaagca caagtaaccc 102780
 cattttgatt ctgacaattt tcatgctccc aacactcatt aacaatgggt taagaatttg 102840
 aacccttatc tcacatagca agaagcctgg aggtacgttg actcaggctt gtgctatcag 102900
 ctccacaatg tcaggtgtat ccagatttgt tactctttc tgcctgtgtt tcttggcat 102960
 ggtagctctt catcctcaga cttgtcactc acattgcaag atggctgctt catgaccaa 103020
 tagcacgttt tcacccaacc tcatatcagg aaatacaaaa ggaactccct taaaatttat 103080
 ctttttttag agcagttgca tattcacagc aaaatggagg ggaagatata gagatatccc 103140
 atatccctt gccctacac acatgtgcag tctccctcat tatcaacatc ccgcaccaga 103200
 ctggtacatt tgttacaatt tatgaacctt cattgatgca tcattatcac ctagagtcca 103260
 tagtttacat tagggttcac tcttgggtgt gttagagtcta tgaatttgga caaatttata 103320
 atgacatgcy tctaccatta tagtatcata catagtattt cactctccta aaaatcctct 103380
 gtaccctgct tgttcatcaa tcccgttctc ctaacctttg acaatgactc atgtttttat 103440
 tagttttgtc ttttccagaa tgtcattaat atggtttggc tgtgtcccca cccaaatctc 103500
 aacttatatc tcccagaatt ccatgtgtt gtgggagggg cccaggggga ggtagttgaa 103560
 tcatgggggc cagtctttcc tgtgctattc tcatgatagt gaataagcct cagcagattt 103620
 gataggctta tcaggggttt ctgcttttgc ttcttctca ttttctctt gctgccacca 103680
 tgtaagaaat acctttcacc tcccaccatg actctgaggc ctccccagcc atgtggaact 103740
 gtaagtcгаа ttaagcctct ttttgttccc agtttcagat atgtctttat cagcagcgtg 103800
 aaaacggact tatacagttg tgtagttgga atcactactgt atgtagcctt ttcagactgg 103860
 cttatttcac ttaaataatg ataaaagtgt cctctatgtc ttttcatggc ttgtagtcca 103920
 tttctgctgg gtggtgaata atattccatt ttctgggtgt accatagttt atgtatccat 103980
 tcacctactg aaggacatct tgtttgcttc taagttttgg taattacgaa taaagctgat 104040
 ataaacctct gtgcacaggt tttttggttg aacattagtt ttcaactcct ttagttaaat 104100
 acaaagatgt gtgatgactg gattggatgg taagaatatg cttaggtgta taagaaattg 104160
 ccacactgtc ttccaaagtg gctatacaat tttgtacttc caccagcaat gaatgacagt 104220
 tctgttgct ccacatcctc atcagcattt gctgttgctg gtgttctgaa ttttctcaat 104280
 tctaagtgtg tagtggtatc ttgctttaat ttgcatttct ctgatgatgt ataagtggga 104340
 gcacttttcc agatgcttac ttgccatctg tatatcttct ttggtgaagt gtctgttaaa 104400
 gtctttggcc tatttttttaa ttgagctatt tgtttcttta ttgttgagat ttaatgtata 104460

atgtgtaatg tattattatt attattatta ttattattga gacagagtct cactctgtca 104520
 cccaggctgg agtgcagtgg tatgatcttg gctcactgca acctctgcct cccagggttca 104580
 agtgattctt ctgcctcagc ctcccaagta gctgggatta caggcatgca ccaccatgcc 104640
 tggctaattt ttgtattttt agtagagatg gggtttcaact ttgttggcca agctgggtctt 104700
 gaactcctga cctcaggtga tccacctgcc tcggtctccc agagtgtctg gattacaggc 104760
 atgagccact gtgcctggcc atattttata tattttgaat tatattcctt tatcaagtat 104820
 atcctttgca ttttttatct agtatatcct ttgcaaatat tttctcccaa tctgtgggtt 104880
 atcctttcat tctcttgata gtgtctttaa cagagcagag gttttaattt taatgaagtc 104940
 cagcttatca actatttctt tcatggagca tgtgtttgtt gtatctaaaa agtaattggc 105000
 atactcaagg tcatgtagat ttcttcctat gttacctctt aggagtttta tacttttgca 105060
 ttttacatgt aggtatgtga tcacttttaa gttgattttt gtgaagggtg tgagctttgt 105120
 gtctgcagcc atattttttg catgtgtatg ttcagttgtt cctgtgccat ttgttgaaaa 105180
 gacctttttt tttttctcc atgttgtcgc ctttgcctct ttgtcaaagg taagttgact 105240
 atatttatgt ggttctattt tgggtctctt attctagtct attgacctat ttgtctattc 105300
 tttctccaat atcatactgt cttgattact ttcgctctat agtaattttt tttttttttt 105360
 tttttttttt tttttttttt tttttttttt ttgagacgga gtctcgctct gtcgcccagg 105420
 ctggagtga gtggcacgat ctcggtcac tgcaagctcc gcctcccggtt tcacgccat 105480
 tctcctgcct cagcctccca agtagctggg actacaggcg cccgccacta cgcccggtta 105540
 attttttgta ttttttagtag agacgggggtt tcaccgtttt agccgggatg gtctcgatct 105600
 tctgacctcg tgatccgccc gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc 105660
 accgcgcccc gccacgctct atagtaattc ttaaagccag ttagtgtcag tcctccaatt 105720
 tttttcttct ttttcaatat tgtgttgaca tcagctcctt ttatggaaga aaaatctttc 105780
 ccagaagtta ccctgtagat ttccccctct gtctcattga ccagaatgag atcacattag 105840
 catctgcaag ggaggatagg aaaggaagta tcggacaaag gacgatagta ttgccataat 105900
 ggaccagtga ttctcaaagt ttggtccctc aaccttaggc atcagtatcc cttggaccat 105960
 cggcatcggc atccactgga aacttgttag aaatgaaaat tatttgtggt cgtgggtggg 106020
 gcggtggggc tggagctcag caatctgtgt ttaccaagct gtccaagtga ttccaatgct 106080
 taaggagcag aggaatcag tttcatctct tggggctgaa cacattgtct tgatgaacaa 106140
 aattagaatt ctgttagcga agaagttgga gtaagcaaat gataacgtct cacatagatg 106200
 tcaattaaact gctagccact gagatcactc atagagaaga tgtcttcact cttccttgct 106260
 ataaattagg tggctgttgg gatccttgaa tcaatcaaga taagctagcc tatcacaac 106320
 agcctactcc cactcctgcc agatctgctg caaccaggc agcttctcag gctcaggggc 106380
 tagatagggg gggggaaaca gctgagcgtt gcttgcctggc tcttcagagc gttgtccctc 106440
 aggtagagcc cattggcccg agctagttag cagggtccat tcgtagctgc aaagggggtt 106500
 tggaatgcat tcttttatct ccaagaatag tagtggatgg taaaattgtt gcgcactggt 106560
 atagtcatgt tcatatgtc taagatgcac tcctgggtcc cactctaggg tgaccagcct 106620
 ttcaggaatt tagttccagg tcgtttgtgc atcactcttc ggggggaata ctactattgt 106680
 gagactcata gatttcacac ctgagaaaat ggagcctgtg aggtgacttg cctggatcca 106740
 cacagtgaat tgggtgtagg acctggatta gaaccactaa tcctgcctta acctctcca 106800
 gatgggctga aaatattaat gtcagattaa tctacacat gaaaccaatg tggagtttag 106860
 aatatttttag tataccatac taattaaagt aaaaataatt cttcctgagt tcccaggga 106920
 atatctgggc agttagcatc ccaaatatct gcttatttgg gatgaaggag ggctgacatt 106980
 ggattctgaa gcaggttttg gaagcaggcg gcctctttct cccctgctgt ggggtagctg 107040
 tcttgcctgg ccaggctgat tatcacttga taggatgctg taggaaaacc agtcaaattc 107100
 tggactgatt ctcatcttct tggctccaag ctggactttg gcctctggtg ggaagtacct 107160
 gcttcttttt ttccggctcg gatcagcagg ctttctggtt tttcctgtaa aaccaaggga 107220
 cacctttttt tttttttctt tttctttttt tggctttccc cccgccccaa ggatatggca 107280
 gaaatgttta tttgcttatg gatccaaatg attctgggtg tcaactgaaa ataataaaac 107340
 attaccctag acttacgagt gccaaaatta cttggaaaat ttagaacagg ccacatgttt 107400
 aagatggaag tgatgacaat ctcaaagtgc taatacgggt aaattagtgg actgatcaac 107460
 cacttttagat tccaggaagg ggcattgtgg ggaagccaaa gactcctgca ggctctgcc 107520
 atgtgcctgg catggatcaa ggagaggctt ttaagaacac aattggcagg aagcttctgt 107580
 ttctcccaag gcatctttga gctagcattc agcagcaaaa ggggttaactt aaaataatta 107640
 ctatttcaag aggcaggcgc agtgggtccac atctgtaatc acagctcttt gggaggccaa 107700
 gacagaagga ttacttgagc ccgggagttc aagaccagcc tgggcaacat agtgagaccc 107760
 catctctgaa aaaaaaaga aaatcgagcc cgggcgtggt ggctcatgcc tgtaatccca 107820
 gcactttggg aggcagaggc aggcagatca cttgaggtca gcagtttgag accagcctgg 107880

ccaacatgat gaaaccctgt tcctactaaa aatacaaaaa ttagcctggc atggtggtgt 107940
gtgcttatag ttctagctac tcgggagggt gaggcaggag aatcacttga accggggagg 108000
cagaggttgc agtgagctga gattgtgtca ctgcactcca gcctgggtga cagagtga 108060
ctctgtctca aaaaaaaaaa gattcaaatt acttgggtga ggtggtgaat gcctatagtc 108120
ctagacactc aggaggctga ggaatgagga ttgcttgagt ctaggaggtt gacactgcag 108180
taagctagga tcacatcact gtactctagt ttgggcaaca gaatgaggcc ctgtctctaa 108240
aaatattttt aagtaaaata aaaaaataaa aattattatt tcaaacagat caaaataccc 108300
tgttttggaa actgggtatt attttcagca ttgtagggtc agctacagtt tccaatacct 108360
attggtaatg aaaagttcaa gggcttggc tgtgcacatc agcattgcac ccaaagaggc 108420
aggggaggag ggcagagtgg taggctgtgg ctttagttta agaaatggct gcctttcagt 108480
agtgtagaaa agacacaata tcagtgaact tcagtttacc agtgccata tgtctctgga 108540
gtatctgctt ctatgtcatg cctgccctag tacataccat attataagtt cctaacaact 108600
aactcagtag gattaatgtt acataataat gtgagtttat ttattttatt attgagacgg 108660
agtctcactc tgttgcccag gctggagggc agtagcatga tctcgctca ctgcaacctc 108720
cgctcttgg gttcaagcga ctctcctgcc tcagcctcct gagtagctgc ggctacaggc 108780
gcgtgccacc atgcctggct aatttttcta ttttttagt agagacgagg ttccaccata 108840
ttggccaggc tggctctgaa ctcttacct cgtgatctgc ccacctggc ctcccaact 108900
gccgggatta caggcatgag ccaccacgcc ctgccgtgag tttattttta tcagagagaa 108960
ggccctgggt ttaatgtaaa caattgcttt ctctctttc ctaggcgga agaaggtagg 109020
aagtaattat ttgaaaatgc aaataatttt aaagctttat caatcaagtc tgttccaaat 109080
tagtttaagg attttctgta gctttaatga tagggccaga atgtacattt ggggtgacct 109140
acatatatga catccacaaa acagactaca caacatttct taatgacagt ccatgacagt 109200
ttttccatgg acggctcctt ctctcctccc ttcatttaac ataggattgc tcagcctcga 109260
tactattgac attttggctt ggataattct ttgtcatagg agttgtcctg tgaattgtga 109320
gatgtgtagc agcatccctg ggctctact cgcttgatgc cagcatcctc actgcccga 109380
gttatgacag ccaaaatgtc tccagacatt actaaatgtg tctcagggg caaaatcgcc 109440
ctagttaatt tgaccatagc tatactggga tataagggga caattgcccc aaagactacc 109500
aggtgcatac cctggtcccc tgtccaaatc ttccacaga gctctggtgc ctccaccaat 109560
gatctaatc agtttttcag tgctagcgcc attccgactc agaactctcc tcttccagat 109620
gggtccttaa agagggcctt gcagatttta tactccggga atgagatcat ttctcaccaa 109680
gaaagcaaaa atgcctggag acttgactct gatgagtaca cataatgaca aattgttctg 109740
ctattattct tcactaggca aaccatctca gcactaact taactgacct atagggactt 109800
atctaattga tggttcttct ttcttggctt acctttcata actggccagt atccctttgg 109860
tgtttctctg tgtcttctga ggtcattata gaacgtttta atggccttta aagtgcattc 109920
tcactctttt ctatgcacag taaagatatc aaacattgcc taaaatagaa ctacttaaaa 109980
tactgcctgg atagcgttta tcatttaaac attttccagg tagctttaac agagtctctc 110040
tctgtctctc tgtctctctc tctctctttt cccccggca agctttgatc acaggtaact 110100
tctgggaatc tgattgttac tttgggggtg gaagttattc atgaacatct gcatgccaga 110160
acctttgtag ggagccttgg atcggtcatt tgtctgagag gattttgttg agataatact 110220
gagtattatg gcaactgtat accaaagcct agatataagt cactgatatg gtttggctgt 110280
gtccccacac aaatctcatc tgaactgtag ttcccataat cctcatgtgt tgtgggaggg 110340
accagtgagg aggtaatga atcatggggg agattattcc catgctgctc ttgtgatagt 110400
gagttctcat gagacctgat ggttttataa ggggctttaa cccctttgct tgacactcgt 110460
tctctctcct gccatcctgt gaatagggtgc ctccaccat gattgtaagt ttcttgaggc 110520
ttcctcgccc atgcggaact gtgagtcaat taaaccctt ttctttataa attaccagat 110580
ctcgagtatt tcttcatagc agtgtgagaa tggactaata gactcgctaa tctgttttga 110640
gggtttatta tgccagatac tgggctatct gggctttacc tagagtaagc tgtacagtaa 110700
gtaaccctgc caaagagatc attattgttt cttaattata tgagtttggga atgcttagac 110760
tggttctgtg acttgtccaa ggtcacacag ccataaatg acagaactag acttccaaac 110820
ttggctctcc tgcccagag tgcataata gacttagtca ttccactata tgccctttct 110880
tctttctctt gcaatgtagg catagcatct gatggctcag aggagccttc aaaaagggtt 110940
tagtaagacc tggggacaga taaaaatggc tagttgagag aaagatattg ggctgtctt 111000
catctgcttt aaaaggattt tagttttctg acttcatgct ctctctcagt gtgttgaatt 111060
gcatcatagc ctctggttct ttatgtatct gctttagttc cctaatacca gctcattatt 111120
agttaatatc tctttctttg tgttctcttt tcttggaggt taatctaaga tttagggtgtc 111180
cccttgctca tgtctgctgc tatgtgacta atacaaagat gggtttatat tctgggtatca 111240
ctataggaca ttaaaagtaa tgtcaaaaac cacaattact tttgtaccaa cctaataaaa 111300

B2

gaggggcctt tactgtacca atagctgact tgttttgacc cacctctgcg agagcagttg 111360
ccaggcaaag atagtcccca ctctgttctt ccatccactg ctctactttg tacaacctgc 111420
ttaatgttaa aaacaggagg aaatgcacag ctcaaagcca agcctcttgg tgccttgaga 111480
tagctggcct tgtcctccaa agcattcttc tttttctggg ctcatcagaa tgcctcaatg 111540
ctctgcttcg atggttttaa gagcatagag tggcttggtg tggtgactca agcctgtaat 111600
cccagcactt tgggaggctg aggtgggagg atcacctgag gtcaggagtt caagaccagc 111660
ctgatcaaca tggagaaacc ccactctctac taaaaataca aaattagcca ggtgtggtgg 111720
tgcatgcctg taatcccagc tacttgggag gctgaggcag gagaatcact tgaacctggg 111780
aggcggaggt tgcagtgagc caagatcaca ccactgcact ccagcctggg caacacgagt 111840
gaaactctgt ctcagtaata ataataataa taataataat aataataata ataataataa 111900
agtaaaataa aaagagcata gagtttgaga ccatcaccac caagatttta attcccactg 111960
gggatttaac tcagtcctaa actcaaggct tgctatgtca agtagtatta aatatctctt 112020
ccttttaaga gccatttagc tctttcctca tatctttcag attttgctgg ttttccctaa 112080
ggcttctgaa actcttaaaa catctctgat agaggaaact atctagaaaa ttttatgggt 112140
attcattatc agtgaggctt ttctcattga agagataatc acttcttaga atcccagggg 112200
tttcattaag tattaataaa aggttttata tttttgcatt ttggggctag tgaaagtcta 112260
gtgatgcttt aggtctacaa catggtaaac tgtattttaa gattccagggt gcttttgagt 112320
tatgaattta atgcaagaat tctattagca atcacatttt tactagtatt ataaaatcag 112380
cataataggt gaatgatttc ctatgttcat gctttatcac caattttcac aggttagttt 112440
ggttcctctg gaatgcactg atttaataaa atattaattc tttgctctct tcttatagag 112500
aactttttta aaaattatcg taattttttt tttcttttta catttagcct catgttactt 112560
ctgtgagcca agcaagcaat gacctacttt ggtgtagctt ctaacaaatt aggttcctga 112620
aaattgagag gtgcccttat tgaattgagt gtgctcatca cggagctggg tgtgtgatct 112680
atgtgttcac tgtaggataa gtttttagat actggcatgt cagtagtcat tgatactttc 112740
tagatagctt tatgactttt tgccttaggg aagggaaaaat gtttagaata cacatcatta 112800
ttgaaagggt tgcagtggtt ctgaaccatc acaccccaaa gagccagctc ccctgggagg 112860
tgacagtgtg acaagcatgt gcagccccat gctgagcagg ctctgatggc tttgcatagt 112920
gaagggctgc caacaaactg cactctctct aactgaatcc agcccaggaa atgtgcattc 112980
ctgttgaag tgcactttgt atttctgggg gagaatgcac tgctttgtat tttctgagag 113040
gagctgcatt tgtgcatcat aagttttgac ctaatggttt tgcactatgt cttggaagtt 113100
tactgctgag ttttaggctc ctgctcatag atagctgtag ttctcatcct ataggtgggt 113160
gaccctagg agcctgaggt gtcgttttaa aggatcagtg aatccttttg tgtttcaagc 113220
attgccagt gacagaataa acaatatgtc tccttaacat gtgtgctgcc cttttccaaa 113280
tgtgtgtaga ggggttgtca tcaatgattc atttcagttc attttaaagg gtgactcccg 113340
aattcatagt atctatagta tctttttttt ttcttttttt gagatggagt tttgctcttg 113400
ttgccaggc tggagtcaa tgggtgcgat ttggctcacc gcaacctctg cctcccgggt 113460
tcaagtgatt cttctgcctc agcctcctgt atcgctggga ctacaggcat gtgtcaccat 113520
gccagctaa ttctgtattt ttagtagtga tggggtttct ccatgttggt caggctgggt 113580
ttgaactcct gacctcaagt gatctgccc ccttggcctc ccaaagtgtg gggattatag 113640
gcataagcca ccattgccgg cctctctctt tctctctctc tctctctcga tatatatata 113700
tatatatata ttctcactat cagttagtag caaaagttct attgttgtgt ggggatcaag 113760
gatattttta accttcagaa gggagtgcc tactcaaaag ttgagatcac tggcttttca 113820
agtttagcat aatttccatg acattctggg ctttcttttt tctgtggatt taacattttc 113880
atcctggcca tagtcattgt taaaaagatt tttttttttt ttttttgaga tgaagtctag 113940
ctctgttgcc aggttgact gcaatggcac agatctcggc tcactgcaac ctctgcctct 114000
caggttcaag caattctcct gcctcagcct cccaagtgc tgggattaca ggcacctgcc 114060
actgccctgg ctaatttttg tatttttagt agagacgggg tttcaccatt ttgtccaggc 114120
tgggtctcaaa cttctggacc tcatgatcca cctgcctcgg cctcccaaag cactgggatt 114180
acagccgtga gccaccgcgc ctggccagaa gttttctttt cctctaagtt actcccagga 114240
gttggttaga tacttttagg cctgcttcaa gattttcttt atgccttttt ttaatttgtt 114300
taaagtgtgc acaacataaa atttaccatc ctggttttaa gtgtacagtt cagtggcatt 114360
aagtacattc acattgttgt gcaaccatca ctaccatcat ctccagaact tttccatctt 114420
cccaaattgac aactctgagt ctgttcaata ataactgtc atttctctc cccagctcc 114480
ctggtgacca ccattctact ttctgtgtct atgaatttca ccactccggg aacctcatgt 114540
caatggagtc atatagtgtt tgtccttttg tgtctggcct atttcactta gcacagtgtc 114600
tttaaggctt catgaatatt gcacatgtgt cagaatttcc ttcctttcaa ggctgagtaa 114660
tatccccctg tctgtatata ccacattttg cctattttgt tatctgttga tggacttttg 114720

ggctgtttcc acttttttgggt tgttatgaat aatgctgcta tgaacatggg tgtataaaca 114780
 tctattcaag tccctgtttt taattatttt ggacatatac ccagcagtgag aattgctgag 114840
 tcacatataa ttacagattt aattttttctg aggaaccgtg acactgtttt ctacagtggc 114900
 tgcaccattt cacattccca ccaacaatgc ccagggattc tgtctttcca cttcctcacc 114960
 aacacttgct tttttctggt tttttttttt tttcctttaa cttttatagg cccaaatgac 115020
 agcgttttgg aaattgctgt ctgactgcct ctaagtcctg gctgctccca tagctgctgt 115080
 tctatcactc tggggactaa gtggagaggc tgtgccgtta gccttgcttc cctcttgac 115140
 cttcctgtgc tccctccctg ccctaacct aagctgtgtc cctgtgagtc tttccttcc 115200
 actcgtcagc ttgggcccctg tgcgcagagc tgggtggagg acgggtggct cagtggcagg 115260
 ccgactaggg cctctgcata cggatgacat ccagtttcca ccagacctt tttctactct 115320
 gaaatccttt tattcaccca atcatgattc acttttctgt tcttactgt ggctgttcc 115380
 tcatgtcctt cgctagggtca acttgataaa caattatcga ataactttt tttgtgtgtg 115440
 ttctcaacac tatagggtata tgtggcaata aacaagggat agtcctttt ctttaaggaga 115500
 aaacagccat gcatcaagac cagtgtccat aatattgtgc agaataatgac cagggttagg 115560
 gcaggcaggc tctgaagtca caccaccttg ggtgaatgat ccatgctatg tctacttctt 115620
 atcagctatg tgacctcagg ctgtgcctca gttttcttat ttgaaaaaat gaggataata 115680
 atggttcctg tctgttttgg cacttagttg acacttgaga gcagtgtctg ccacatagcc 115740
 tcaatcaatg ctattcacta ttattgtaga acactgttag ctatgggagc ccagagaggg 115800
 acttggttaag tctagcttgt atatttcaca tcacacaagc acctgccttg tcttgccaat 115860
 ggattgttct gctcaagtaa agcatagggg cttaaagcta aatgttactg tgcctttatt 115920
 ggctgtatc cctgtaggac ctgctcagtg ctaagtgtt tggagggtgt cagtaaatat 115980
 ttattgattg tgaattgatt agagaggaga gagacacgaa ccagggtctt ttccaagcac 116040
 ccaggatgtg taagcttcac aaatgaagag atgcttgctg atgctgccc ctgtcctacc 116100
 cttcctggaa atgggcatgg aggtgggtgg ggctggagaa gtggaggggg ccacagaaag 116160
 ggtagcgaca gagagaaaga aacctatggg caacagggtc tgtatctggg acgggacctc 116220
 agccatcaag catggccttg ggaggagaag atgcactggc cgcgatgcag cgagccctt 116280
 cgaaaggcaa acagcacaag caagagtgcac gacggcaggt tgcgcggctc ctctggggct 116340
 cccccaggg atgcccgttg cattcggctc gcgtgaagga ggcagggtgt cttcttcgtc 116400
 gtcggccaca cttcactggc tgcaagtgtt caccgagatg tgctcatgtg atcttaccac 116460
 atacgcagat tctagtaaaa aaagaagaaa aaatccaaga atgagtgaga atttatttta 116520
 gctacatgct gactgcctct cagcttgccc gtgctcttac cagatcttga aaacaagggc 116580
 cagtttgtat ttttataaaa atgcatcaaa gtgttactaa aagatcctaa aggaagacta 116640
 aagtttcctc cgaaaagaag cctggccctt caaatacca caagggatcc tcggaagatg 116700
 ggttttactg agctcaaaca ctgtctcttc tgtttagata ctgtattatt acatcatttc 116760
 cctctcaga ttgagtgatg tttcctccat tatttgcttc gttccttggc agaagtgaat 116820
 ttaccatga acaacatctg cagtctttct atacgagcct ggggaatgct tgaaagaact 116880
 gatactaaat tattattatt aatatttgtt tgtctacct tccactcccc acccccaggt 116940
 cccctctcac tcccagtag tcacaaatgg gtgtatcggg catctcgtct cagttgtcag 117000
 gactgtccct tctcattcta aactattttg cagattagct tgagcaatta gaatcaggaa 117060
 tagatatcat gtggttaaaa taaaagggaa tttatctaca atttgaaaat agattacaga 117120
 gaacttccat gtgatttttt ttaaaaaata aattttgctg tgtactataa cagagttggc 117180
 accagagcta acaaaaaaaa agcaagtatc aacattttaa atgcagtaca tgacatgtaa 117240
 atgccatag gtattcttgc aatgttatta ccactttctt tctggcatcc ttttcttgac 117300
 attgctgtat gcttcttgac tctgctgctc ttcagaaagc ctcaattgtc ctgagccctt 117360
 taattctgta tttatattag gtgtctctct cttttatcta cctttggag gcttatcaac 117420
 cttttcccca aggaagagga agaagaggac ctgtacagat ggctgtataa atatgtgaca 117480
 cctgcttccg tgagccacta ttggaagagt ttaagagttg atggatttgt cccctgtcta 117540
 gaagatgagc acacatttgc ttctcttctc ctttctattt ttaaaaaatg atcatgtgc 117600
 tttaatgatg tttctagaaa tgtcttgaat tcaaattatt ttctattttt agggaaataa 117660
 aaaagggaacc caccaacca attttctgaa aagattatat ggggtcaaat gttaaaagtt 117720
 tgtcatagtt aatatttctt aaagtaagag ccttggtgat cgtgtttggg gagaaatctc 117780
 tgcttcacca cggaatgtc agtggatctc tgcgtttgca ctgaatgtgc cacattcttt 117840
 catctccaga cttttgcgtg tgatatttat ggtgtttcaa acaatgtctg taccctctc 117900
 ctggtctcag ctcaaagtgc agttccttgg ggagcttttc ctgacttcta aatgaaggtc 117960
 aacacccccg caaataacat cttgtagacc ccaagaataa cattcatctc actgtattga 118020
 tgggtgggcat ccccatcagc ctatgagttg tgtgaggtcg ggtcccatct gcctgttcac 118080
 cactgcatct tcagggtgcta gcacatggcc tgggaaccag agagcactta atccatactt 118140

B2

gatgaatcaa tgaatgaaca ttgctagaca taaccttata catcttgata tagaaaatga 118200
ccttgaagct ggactaggtc ccagttactt gagaggctga ggctggagga tcagcccagc 118260
ttgggcagca tagtgagaca tcccctatcc ctccctactct cctaatectg cacaatcccc 118320
ctctaaaaaa agataaacag agtgaccttg ggctggcgct gtggctcgcg cctgtaatcc 118380
cagcactttg ggaggctgag gcggggcgat catgaggctca ggagatcgag accatcctgg 118440
ctaactgtgt gaaaccccgct ctccctctaaa aaatacaaga aaattagccg ggcgcgatgg 118500
cgggccccctg tagtcccagc tgctcgggag gctgaggcag gagaatggcg tgaacctggg 118560
aggcggagct tgcagtgagc cgaaattgca ccactgcact ccggcctggg cgacaaagt 118620
agaatctgtc tcagaaaaaa aaaaaacaaa aaaagagagt gaccttgaag tcgaaactag 118680
tattgtatgc aaataaatgg caatggggaa aaaaagtctt taggctttga agtccaatta 118740
ttttgaataa aagatgggtc tgtagggagc tgctccctgc taatgcttat tgccaatggt 118800
attcatatgc agacactttt acctcatcag gctatactta gaagtgtaat tctacagact 118860
tatcaagtca atcttcttaa atacagtata caattttacct taccacagtg gttctgaacc 118920
ctgtaatatc caatattctt ttatagcata tattttatgaa tactccttta ctacattgaa 118980
atgaatttca gagacagtgc actttgccaa tacagataat tctgaaaaat tcaatgcaaa 119040
ttttctagct ataataaaa ggagaaataa atggaaagta atgtttcaat aataggtgct 119100
ctgttatgaa accctaggag acctgctgaa gcagtgaagc ttggcatcta tacgtagaat 119160
gcaatatctc caaatgcaga ttgggttcagg tatgttgtgt tgatgactaa gatgtcacia 119220
aggacttttt ctccagtggt gtgggtttcc aaaaatagaga acaactctca gcaagggtcc 119280
agctaactca tttaacttag agtcagattc ttaaaaaatt tgggtcaact tgaaaagatg 119340
caaacaattt gtgtgtgtgt cttcacatgt aaaagggagt taggttcttg gctcagataa 119400
ttgtagacat gagtttttct cagtgggaca ttcaaagctc atgctaaatg tgggatggtt 119460
ctgtgatttg tggcactgat tgttgattg caggacatct gaacgtcttt gacctcctcc 119520
cagtacatgc caaacgtgcc cctccagttg tgacaaccgc aaacacccta acaagtttag 119580
agaccacctc ctagggtggt gtaatctaaa cagggttata aacagagctt ccagggggct 119640
cccatgtaac tttcaagaat ttacatatct aatttctatt ctctgaaaaa tggccatggt 119700
ccaatagtta agcctcttcc cttgatgtat ttcccatgcc attaatattc agttctattc 119760
cacaaatatt tattatatgc atatgtgtgt gtacatccat ctgactatac ctttctatgt 119820
tatgtacctt tactagaatt ccaaatata aaatcctgtc agtttatctc ttgctagatg 119880
aatgggtttt ttgtttttgt agaatatgtt ctttaaacag tactctcata ttttcttgag 119940
gtgctaaaat agaggaggca gctgtagaaa aatgcactac gggccaggcg tgggtggctt 120000
tgctataat ccagtagctt tgtgaggcca atgtgggagg atcatgaggt caagagattg 120060
agaccatcct ggccaacata gtgaaactcc atcttactaa aaatacaaaa attagctggg 120120
catgggtggt catgcctgta gtcccagcta ctcgaggagg tgaggcagaa gaatcacttg 120180
aaccggggag gcagaggttg cagtgaagcg aggtcacgcc attgcactcc agcctgggtg 120240
acagagtaag actccatctc aaaaaaaaaa aaaaaaaaaa gaaaagaaaa gaaaagaaaa 120300
atgcactgtg ccaggcactt agaacattga gatgaaggag cacactgtgt agtagggaga 120360
cacatggatg gatggacaga cagtgatgca ggttgagcag ttctatggac aggggaccat 120420
gcaagggtga aggaacatgg acagcagaga gcaagaactg gagagggctt cctgcaagag 120480
gtaatgtcag aattgtgtgt gaggaatgaa caggagtccg acaagcatta aaaagggcga 120540
agaaccttat cctagcagat ggaacagccc ttaaaagggc acagaagcta aaaagaaatg 120600
agctatgaag ccatgagaag atgtagagga atgctaaatg catattgctg cgtggaagaa 120660
gccaatctga aaaggctaca tgcagtatga ttccaactac atgacattct agaaaagtct 120720
aaactatgga gacagttaca aagatccatg atttgcaaga gcctggggga agagagggat 120780
gaatcgggtg agcagagagg attttttaggc tagggaaact attgtgtatg atactataat 120840
ggtggatata tgtcatcaga cgtttgtcca aaccatagg atgtacagca ccaacagtga 120900
accctaattg atactatgga ttctggatga tattgtcagt ataggctcat cacttgtaac 120960
cagtgcacta ctctggcatg ggatgttgat agtggggaag gctgtgcatg tttggggcgg 121020
gggctatatg ggagatctct gtacctttct cttaattttg ctgtgaagca aaaatgggtc 121080
taaaaaaatc aaatcttgaa aaaggcactg aagtataaaa tggagcagta ttggggcacc 121140
aataaaccat ccagtctctc cagaactgca aactaactgc tactacagca agagagaggg 121200
gtcagcaact acctgcctgc agcgggggta ggggggagtt ggggggaaat gcgggggggtg 121260
ggggtccctg acagtttcct cagaagtggg ttgacgtatt ctggaggagg aggaggagga 121320
ggcagcatga ggcagcaggc aggatgcatt tcttgaactg gatcatggcc aggtccttac 121380
agctctccca ctgccacctt tggcaaacat tcctgggata ctgaaggctc agacaaggcc 121440
catccctctt atgtttaccat ggggattatc tcttctcctt tttctctttt agttttccct 121500
ccaaggaagg gttgtcactc cttttccaaa aggaagaagg accaagtga tgattttcaa 121560

gggcacagtg ctgttatttc tcgagggaa cctctgccatg ttcttgagca tgttgctcgt 121620
 tttctccttc ccttctcttc ttagccctct ccctctcgct ctctcctacc tctccccctt 121680
 ttcttttttc tttcatcaca aagactacaa agagtataca tggctactgt agaggccttg 121740
 gaaaatgcag gggagtgc aaagaagaatg aaaatcctgt aaatatcctt tgtccaaaga 121800
 aatccaccac taacacgttg ataatcgta cttctgaatct tttctctgca tctacatttg 121860
 gcccacatgc ctggtgctcc actggcccca cagtaccctt cccacctgct acctaccctg 121920
 tccaagtttc cctgcccctg ggtactggca ggggttgtca ccgtgtcctg gccacagcct 121980
 gtgccttccc tgtgttactc catcagctcc ttctggattg ctgacctctg ctctaaccac 122040
 tgatcgttca tgacaatttt gctaccacc ttctgcaggt gacagatcct tctgcctcag 122100
 aagggggagt gctactgtcc tgctgtccta gagctgaggg agacggacac cactctcccc 122160
 ggtaacacta gattctcagg aatagataca acaccttcca aactgcagct gacaccagct 122220
 gtacattgta acaagacttt taagatttag gaatgtcaga gagatattac ccacagcagt 122280
 tacatcacat ctgcttacag tctggctggt cttggagccc agaattccag gcctgttcca 122340
 ggggtgtccaa ttgagctgtg tccttgacct gcctcgaggc agctgaagcc agcttgccct 122400
 gacctccagg agtagctgtt gcaggcaggc agcttagctc aaaatgagag aaactatggc 122460
 taatttaaac aaaaatgaaa ataattttaa aaaggatatt ggatagctac caaatccttg 122520
 ggatggttgg aaacccaaac tgggaaggta ccttggttaa aacaatgacc aaatcacacc 122580
 atggaactgg tcccgaggga agccactgct gtgtctgccc gggcatatac agggcggttg 122640
 cccctggatg ctgctgcaag aaccatcctt gtgactgctc ctggagtggg gcataccaac 122700
 attggtacca ccatccctgg aatggcttcc acagggtccc tgtttcttta tataacatcc 122760
 aagatatgtc tgctcctgcc tgccacccca cctcccatgg aagctccccg ctgatgcttt 122820
 cacttccatc ttgatcaagg gcaaggttta ccttccatgc ccacccact cagggttcca 122880
 gtccctcacc ctctgtcggg ggacctagga ggatccagga ctcttgagag ctgggctgtg 122940
 cacagggtgt gaatcaccag cagaaagctc tgcatttagt ctcttctctt tggcctccag 123000
 actggacgtt ttgcttccca ccacccaccc cccgcaaccg gaagactcta ggaagatctc 123060
 gtccctccca ctgtactttt gctccaggct gagtggccat tccgccttct ctctgtctgt 123120
 gttcctaacc cggctctgcc tactgtctgg aagaggagaa agtgggtctg taagtctgcc 123180
 tctgagaatc tccacacctc ttttcagaat ggtctgggga gtggcggtg ccagtggagc 123240
 gaaagaggag gacggaggac agaggactct tagatgacta cttcaagggt taacctgtt 123300
 acatctgcat ggggtgtggt caaagtctga attatgtctt tatggctggg aaagcctggg 123360
 tcacatgctt gtctcctcat agcaggagag gctgggaaag tcagtaggtg gtacattgca 123420
 gcttctgtac tgggaggagg tctctgtctt tcacaaact aaagaaggat gttcaaatta 123480
 ttggtgggca aaaagaatga caaggatcct ctgacgtgga catgcctgt gatcacatta 123540
 gctctgtttg gtcacagcat gatagtggag tggcttgggc gacctatggc agtatcattg 123600
 ataactcatt accatacacc acaggctgag cgtcaccagg gttgatccaa ttccattttc 123660
 taacttttct cctaactagg ggtgaacatc agggagcctg gagatcttct tttgttgcct 123720
 ttagattctc agtttctggg cctctgagaa gaactgttca aactgttcat gcatactct 123780
 actaaacact ttgcaggagc aatggaatct agaactgcat tttaaagaga atactcttgt 123840
 aaaggaaata gtatctacag agatgcaacc ctaccaaagg gtggggcact gttgactact 123900
 ttatcttatg gagcatgtgt ccctggagtc acagccttgg gatgcctaca tctgctttca 123960
 tttgcatagc taaacagccc agtctcttca tgaaaggtaa tagtctactt tattcattac 124020
 atttagctcc atgaaagagt ttgcatataa ctttaattgt ttaagaggaa aaaatgtacc 124080
 aattaaaagc caggacattt attatgcatg ttcagcaatc aaaataggct tcagtgtagc 124140
 cttctatttt tttttttctt ttttgagacg tagtctcact ctggtgcccc ggatggagtg 124200
 cagttacatg atctcggtc actgcaagct ctgcctccc ggttcaagcg attccccctg 124260
 ctcagcctcc caagtagctg ggattacagg tacctgccac cacacctggc tgatttttgt 124320
 gtttttagta gagacagggt ttcaccatat tggccaggct ggtctcgaac tcctgacctc 124380
 aagtgatcca cctacctctc ggccctccaa agtgctggga ttacaggcgt gagccactgt 124440
 gcctggcccc gtgtagtctt tctaagcaaa tccattctaa tcaaatgaag gaacagtgt 124500
 cctctttaat aatcataaat aagtgataga tgaataagga aatgaatcat gtatgcattt 124560
 atttgtccac aacacacaat tggagctggc atttcttggg ggcatttgta taaaacttag 124620
 atgagatcac gtcccctagg atgtcaagg acttgccctg attctgccaat gaggcctcca 124680
 atggaaactt tgtcaggagt agaaaacagc caatgtatgt gaagtccaag ttcattggca 124740
 cctccctagc ctccctgcag ggttgtttct ctccatcact aatccccctg tttggatcat 124800
 ttgcaacaac tccctttact acgaagaggg aatcttgagg tatgagcagt aaatatggag 124860
 actgtggtag gcaaacagtt ccacagtgtc atgaggtccc ttttactctc tctcactctg 124920
 tggattcttt ccccttcaca acacgtctga tttatcacia gctgtgatta attatttctt 124980

B2

tgcatgactg	tttaatgctt	gtctcaactc	ctactagctc	tgtgagactg	ggggccattt	125040
tgttttactc	accggtgaag	ttagctcaat	atctgacaga	gagtaggtac	atgataaata	125100
ctcattgaaa	aaaggaatag	aaaagttata	gagttcagct	atattcatag	cttgaaaaat	125160
atgctaaagg	aattttctca	tttgtagggtg	ttcctgtcca	gttcccttag	tgcaggcctt	125220
cccagtgtag	ggttttattt	tgcatgactt	tctataaagc	tgtatttctt	tcttatctaa	125280
cttctcgttc	ctagtctaac	tagaaagtcc	atgcatatcc	ctttctccct	tctctccatt	125340
ttctttttat	ctctgaaaca	attaggtaca	cacgtagctg	ggaagccttc	ttgtatgcct	125400
ccagaaaaat	tctagatccc	tcaaactatt	gttctatctc	ttctttctgt	accccaattt	125460
ttttctcaat	tatgctctta	aattatcctt	ctgaaagatt	ttctaatttt	gtttgcttct	125520
tgttgccttt	ttctcttcta	gttcacacac	ctttctctgt	aagatttctt	aatgcttatt	125580
ttattattat	ttatagtttt	atgtggacaa	gcatccctag	atgcttacat	taaaagtatt	125640
tgtctaaaaa	aagaaggaag	gaaggaaagg	aagaagaaag	gaaggaaaga	aagaaagaga	125700
gataaatatg	gaaagaaaga	gaaaaaaagg	aagaaaggaa	gaaagaaagg	aagaagaaag	125760
aaagaaaaga	agaagaaaga	aagagagaaa	gaaagaagga	aagaagagaa	agaaggaaag	125820
aagagaaaga	aagaaaaaga	aagaaagaaa	gagaaagaaa	gaaagaaact	gtctattggg	125880
aagggcggtg	tttactgctt	atccagcaat	acccaggtat	ttgtataggt	gttgacctaa	125940
atctatctga	ccttgaaggc	tgtcttcaaa	tcttctaaca	ggcaagataa	ataaggtcac	126000
agaaaatgca	tacctgtttg	tcatttacct	ttattcctgg	gcctatagat	agttcttctg	126060
tctagtagcc	tctgggctac	tcatgggagt	ggggataggg	atcatatgac	aactttcttc	126120
tcttttacgt	gttctgggta	ctcttgata	ctgggtccag	ggaacagctg	catagctaag	126180
agatgggtgg	gaaggacaag	aaagagtaaa	gtgttcctag	aggagccagc	gaggcaaggg	126240
gtgttttact	gacctagtct	gttttatggc	tacatgagaa	ccctaacact	gctctcccct	126300
tgccctggct	gcttttccag	gttcttgtcc	ttcccagaca	gctctagcca	gggctcaggg	126360
ttccttaatg	gctgtcccaa	tccactcttc	ttttagcaga	gcacccttag	caagaaacct	126420
actgtaatct	caccctactt	ttctgctttt	acaacatgtc	ttccttccgg	gtgaacattc	126480
acaagctaaa	gaagggaact	caccttccct	tgaggagagc	ttgtctgaaca	ccagaggatt	126540
tcacctcttt	cccccttcat	aatggaataa	tcactgagct	ttctgctaga	ataaaaaaat	126600
catgggcccgg	gcacggtggc	tcacgcctgt	aatcccagca	ctttggcaga	ccgaggcggg	126660
tggtacactt	gaggtcagga	gttcaagacc	agcatggcca	acatggcgaa	accccatctc	126720
tactaaaaat	acaatcatta	gctgggctg	gcagtgcgct	cctgtaatct	cagctactcg	126780
ggaggctgag	gcaggagaat	cgcttgaacc	tgggaggcgg	aagttgcagt	gagctgagtt	126840
tgccccactg	cactccagcc	tgggcgacaa	agtgagactc	tgctcaaaa	aaataaaata	126900
aaataaaata	aaataaaata	aaataaaata	aaataaaata	aaataaaata	aaataagaca	126960
aaggagatga	taaattaaag	cctaacatta	ctatattccc	tttatactga	agaatatggt	127020
ttatatctgt	ggaaagatga	gtttccta	acaacctcag	aattagatag	gagatcacia	127080
ggggtaactc	ccaaaaggaa	ggggagagga	aggggctggg	ttaacagttc	ctgggtcaga	127140
ataagagttg	agtggccatg	tgtattgcag	caggtggagc	tccctataca	aggaaagcac	127200
tggggcgga	aatgagcatt	tatcctatta	gaatggtctt	gtgccttcac	tccctgtgca	127260
ctgcttagcc	agggaaactgt	gcccttacac	cttggttagcc	agtggaagaa	gagtgagttt	127320
accttttagc	tgtctgtagc	attgttactg	tagtattatt	gtatgcttct	gtttatgatg	127380
gtggagaggc	catttgagat	ggaggcattg	ttcatcatgc	tgctgaaatt	tgagtaggat	127440
aaatttagaa	tttgatagag	tgagcagctg	ggaggggcat	cttttgggat	tgtcaggagt	127500
tactcagttg	atgtggtcca	tcagcaggtg	tcccattctc	cttacccttc	catgggcttt	127560
ctttcatgct	tcaaccaaa	agaaggaccc	ttcttcagtt	aaggatttgt	ctggatgttt	127620
tctacatgtg	gtgtgatcgc	ttatgagttt	tccgtcctct	gagacctacc	ttctgaatgc	127680
ctgactgaca	aagatttaaa	ggtcgtccat	tacagtgggc	atgcttttat	attccacatg	127740
ccagagctac	aagaatgtta	ttatttcctt	tcttctctcc	caggtgatata	atttggtcac	127800
ctaggtgtca	ttaggtacta	agctttgcct	tcaatatcta	ccagggtggg	gcaccatgga	127860
cagtgccaca	aagacctttt	cagacaaagg	ctcagatctt	cctgctggac	tttgtgtgca	127920
agaggaagga	actttttctt	ttcttttttc	cccttctctc	tctctctctc	tctctctctc	127980
tcccttccct	ccttcccttc	ttctgtttct	tccttccctc	cctccctcct	tccctcgaa	128040
tgccatgtcc	cttgcaacta	gaatgggtcc	tgacatttaa	ggtttttaaat	aattatgtgc	128100
agaatgaatt	aaatgcaaaa	tcttgtgttc	caatagcgta	ttatcttcaa	atgttaacag	128160
caaccagttt	tttagaatag	aaaacttttg	aaaattttta	ttaaagtctt	cctgcagtgg	128220
aacagttgat	tttttttttt	tttttttttt	tttttttttt	tttttttttag	tggaggtctc	128280
tctctgttgc	ccaggctgga	gtgcagtggt	gcaatcttgg	ctcgctgcaa	cctctgcctc	128340
ccgggttcaa	gtgattctcc	ctgcctcagt	ctcctaagta	gctgggatta	cagacatctg	128400

B2

ccaccatgcc cagctaattt ttgtatTTTT tagtagagtt ggggtttccc catgttggcc 128460
aggcaggtct tgaactcctg acctcagcct cctgaagagc tgggattaca ggtgtgagcc 128520
agcatgcctg gcctgagttt ttattatTTT tgaattttat ttttttccat cccagatgca 128580
cctatattgg tagtctagtg ataaaaacaa tttaccata tataccaaca tctttttcaa 128640
gaactttgca tagtgaaacc agcaaagtac tgaactggcc agtctgtcat aggtgtcttg 128700
caacatgact cagagtcaga agctggatat aaactttttt ctgtgtgtgt atatatgatc 128760
catttgtgta ttcggtttt gagtgggact ttttcagtag gcttcttgaa ggttccactt 128820
cactattctc actgatgtgt gcttacagca tctctgccat ggagatttta ggcagagagt 128880
gtttaaaagc tctactcata gtttatagaa ttgctagtgc cacaaggcca ttcattgttg 128940
atgatgaaat tattagttat aagtgaacct tctaaaataa atcttggaag aaaacatggt 129000
ataagaaaat gaagtcagtc ctcttactag gcagttccca tcatctttcc attttgagaa 129060
attactctca gttcagatgt attactatgg tgatgtgttt gcatttcaac aaaccaaacc 129120
aagccgtaaa ctgagctctg catgttttagc ttctgtctta ggatttttac cgcagtgtct 129180
ttattcttga gtaaaatccc cgacatcctg gctagaaatc acaatgaata aataatttcc 129240
cagccagaca aaacaatctg aattgctaata ctcagaattc taagaaatta cataaagatg 129300
caaacaatgg ggattaaaga gggggtaaaa attaaatgaa aaaatagccc acaaatgaat 129360
ggaaatatac atgctctcca aaataacatt gtggaagtaa acaaaaacag acagagaatt 129420
atgcttaatg agaattggac atgtggctta gccctctgag gcctgaaaca agtaaacact 129480
tcccgaattg tcagtcata catccctctc tcaaaagaga gctcttagaa ctggctccct 129540
ctcctcctgt ttacgaagct tacttggtct ttggaacaat tgcacatata attttaacaa 129600
ctaaatgaac tctacaggag atgggttttg agtacttaa aaattcctat agtttgtatc 129660
aatcagatac gggagatagt tttgcaaaat actgtttgtg taaagagaag ggaagaacat 129720
gcgctctagt ctaaccaatc aacaaagtgt gaaaacacga ttagacaga agtacaacga 129780
ccatcctatc agttctaccc aaatatcata tcagaccatc tcttcctga taacagtttt 129840
gttagcctaa ggacacatta gctcagttag atctgggctc tcacagagct ttctgctagc 129900
ggctctgctt actggttaagt aagccatgca attttgcta gcaacccac cgtggaaaca 129960
cagctccatt ctgtaagtgg cagggggatg tggcaggagc gcaggagag tgaggtttgt 130020
gcctctcaga atccctctgc agctggttcc tgacatcgca aacgttatct gcaatttttg 130080
gcagtttcgg aaggatgag aaaaatggga cggggaggtg gctgagcctg ggggtttgga 130140
agtaggatgg aattaatgg aaggcaaata aaaaagcttc caagattgtg agctgcgact 130200
gtctgagagc tcaaaccaga gttggcaaga ggaaccaaag gagaatgagg acattttttg 130260
tcattgacaa tgaggtatac aatatatcca ggaaaggaca accagcagcg acctcctgaa 130320
gctaaacaga gattatctta agccacatat gagggaaacat tctcaatgg caaagagaag 130380
cattaaacct gggactgtct acgtctaagg aaaaatttga gcatttacat taaaatggcc 130440
tgtaacaag cattgaatat taaccaggca ctgtgctaag tgtttgaca cttgtttaat 130500
cttccaaaca atccgatgag gtgggatttc ttatctccat tttatagagg aaaaaacta 130560
atgcacagag aggttgagaa acttgccata ggtcactcag ctatttagca gtgggggttg 130620
gatgtgtctc aggcagtctt tccctagact ctgtgctctt aaacactact atgggttttc 130680
agcagcagtg aacagttaca gggctaattg ggataagaaa actgaagatc accacacggc 130740
acatgagatg gtttgtgatt ccattgtgaa agctgcagtt taaaatgttc aattaaggca 130800
actttttttt tttttaataa cctagagggc agcaaaaaca tgggtatcta gaataacaga 130860
tattgctaaa accttacgcc cacagcactt ctttttatag caaagtatgg gtatacacat 130920
attttcatac acctacacac acatacacat gcaagacgag catttcttaa gtccttaaaa 130980
taccctgata attaaatgct ccaaaccatt tctgagtgtg acccttggaat gtctaggaga 131040
agcagcccag gaacacactt gttagccggg gcaatgagta gtggtgaaat gtttaccttg 131100
ctgataaaagt ctccagtaga tgatgcaatt aagatgccac gatctagcct ttgttataca 131160
cctccttgtc tgccgtcaaa caaatccacc gctgtccttc cccatcttcc ctccctgcca 131220
tctcctgaag tccaggaacg tctccagctt cctacgtact tgcagtcctc ttttgccaac 131280
ctcaacctca tttagattgc aattacattc acatcttaat ttatgactta acaagcatct 131340
cacaacatt taattcactt taacttact atgcatttga ggaggaatat ttgaggagga 131400
atggtactcc cattgccagc aattagattg acttaatgat ctatggcgaa atctcctttt 131460
gggctttgaa cttttcatac atttctgcaa acaaaactag gctaattaaa gtaagttcct 131520
ggattctcag aggggcttac ctgccttcac aaaatcctcc tgtaatatcc aacatggaaa 131580
tttatgaaat agacaaaact ttccctgcag ttttcaggta atttatcttg ttacgacact 131640
ttcatgtgtg gaaaagtcga tattttcata tatagtttca acaatatcaa taaattgtaa 131700
tttttttttc agatggcttc tctgaggaga ttaggggggt ttctatatca aagcatagat 131760
caaattatth ttccctgttc ccattttata taccagatgc cttcttagga gttagaaaa 131820

tacctccttt	ttacaaggaa	ggatggcatt	tcttttagctt	ttcctggaca	gatcacccgg	131880
tgaccatttt	ttattctcag	tcttccttca	cagaagggac	agaggactgc	ccatttttcag	131940
caggagttag	tctgatttct	tctgttagat	gcagacgact	ttgtttgaca	actttctttg	132000
ggttggtgaa	ttgttgaatt	acttgaaaag	ctgtttccgt	tgtaaagcac	tggactgaga	132060
attaattaca	tcagaattct	aatctcggct	cattagtggc	atcattttat	gcaagtcctt	132120
taaccctct	tggcttcagt	tttgcatgtg	taaaatgaag	tatataaagc	aaaggtctct	132180
ctgtgcttgg	tgcgatgaag	aggatgcagg	tctcatggta	cggatttcct	atattgattg	132240
ccccaaatgt	ggtgtacgtt	tgcagaaaat	tcctctaggc	aatgtagaaa	ggccatacat	132300
tctggtgtta	aacacatcgt	tcataatatt	atgctagtat	atgataccag	ggcctcctga	132360
tgacagtctc	cagcaccaat	tctgagaatt	gcgaggattt	ttcagcttag	agtttttcag	132420
cttagagtca	attccagtg	cgccttcagc	acatccaaag	agaatatgac	cgatgctacc	132480
agtccctgctc	ctggactcca	ctgggtatgat	tcctttgccc	cagtatcagt	ctaattccca	132540
ttctagatgc	ttttttctta	atgacccaac	aactgactcc	ttcaggagct	ggcatgagat	132600
gagatttgtt	tgcagagatg	tataaaaaat	tcaaagcccc	aaaggagatt	tcaccacaga	132660
tcattaagtc	catctaattg	tcgtcctact	acccatttag	atggggaccc	tgttatgcta	132720
actcctatcc	tgtctcttgt	gagtgatata	gtcaacacac	atgatgatca	cagcaccagc	132780
tcagacaggt	gtgtttttaa	acaaaagtgt	gttataaatg	tacagcctca	gcagggaaaa	132840
tgtgggggcg	aagaaacaca	caaatacttg	gctagagtcg	gtcacagggtg	aagatgggga	132900
tgactgtgtt	ttccgtttca	tccaaacatt	ttggcctgac	tcagataatt	ttttttccag	132960
catattctgt	ttgacacaag	ggaaacgggtg	caaatccatc	accaccattg	tggaaagagc	133020
tccaaactca	ttctcacgaa	tggtggatca	gtaatactac	atgacaaatg	gtagcatttt	133080
tgggaaacca	ttatatttgc	accagtgaga	agtcagaatc	agcatttggg	ctgcagtcac	133140
ggaaccatgc	aagaaacatt	caaagcattg	gctaagcagg	atttttttgt	ttgtttgacc	133200
tgggtgtccac	gaacaggctt	cagggagcct	gagaacctcc	tagaccactt	gaaaaattct	133260
gaatgcactt	ttctaggaaa	gagttcacag	cgttcaccaa	atctcctcca	agcagccaat	133320
gaccagagaa	aggttaaaaag	tcactgacac	agtaccgttt	tctgtgcac	tatatcctga	133380
atccaggggtg	atgccgctga	cttgccctatc	tttctccttt	ggtcttccca	gaaaaagcaa	133440
gtgagtcaga	ccaagatccc	ggtcatctca	accatcctgt	tcactcttggc	cggctgcatt	133500
gtgtttgtga	cgatccctcg	tgtcatcttt	aagtacatcg	agggctggac	ggccttgag	133560
tccatttact	ttgtggtggt	cactctgacc	acgggtgggct	ttgggtgattt	tgtggcaggt	133620
aagcaccttg	ggcaggccag	gcactggggc	tctggcggga	aaaataatct	gttggctgtg	133680
cttttcgcaa	tcgataaaaag	atgttgcggg	agaagcaaat	gaagatgact	cagtgtcact	133740
actgctgtga	agaggctcat	ttcaaattcc	tagtcctatg	taatataaat	accataggtt	133800
tttttctgct	atgaaaagaa	agccaacctt	ttccttctca	ggatgcttat	ttcccttacc	133860
gtcacacaaa	ttatgcaaga	ctaaagtga	tttctcatta	aatcttgaac	ttctgaattg	133920
aattaaacct	ctctaattcca	atgataaagg	ctgtgttagg	aagtggcaca	taggaaactc	133980
agatgagatt	agcatagaat	ttgggtctgca	gtgacctgca	ggttcagctt	cctgactccc	134040
aggtgagagc	cattgtctct	gcaaacgttg	tcctgcacat	gccagatac	aaagctgagg	134100
actttggtga	ctatggggag	ctgagaactg	cccagaggga	atataagctc	atggattatg	134160
caggagtgtg	tatacaagca	atagccttcc	ttgtaaaaat	aaatgtggat	gagctatgtt	134220
taaggaagtg	aaaaaaaaat	catcaatttc	atctagggcc	agggaaattg	caaatagaat	134280
gagatttagt	ttcatatgtg	caccagtttc	ccaaaagtgt	ggtagaaaag	tacggataga	134340
aggaagaggc	catccttctc	tttttctaat	aggatagttc	tagatgttca	gacaagtgat	134400
cagtttctac	tacaagaagt	gaacactttg	atcaaacaac	tctatcatct	gtcacaagtt	134460
tgaaatgtct	ggatggagtg	tgtgtgtgtg	tgtgtgtgtg	tttccctttac	cagttccttg	134520
tgaagtggca	gcctgacctg	agccctaagc	agactgtttt	tttttgtttt	tgtttttggt	134580
tttggttttt	ttgaacaggg	tctccctctg	ttggccaggc	tggagtgcag	tgggtgtgatc	134640
atggctcact	gcagcctcgg	acctctgggg	ctcaagtgat	catcccacct	cagcctcctg	134700
agtagctggg	actacagacg	tgtgccacca	tgccctggcta	ttttttattt	tcattttttg	134760
tatttttctg	agagatggga	tttagccatg	ttggccaagc	tggctctgat	ctgttgggct	134820
catgtgatcg	gcctgccaaa	gtgctgggat	tacaggtgtg	agccactgca	cctggccaga	134880
ctgttcttgt	ttggcgtgtg	atcccagcag	tgtcttgatt	tctccatgga	atactgtgca	134940
catcaggagg	atgggttctg	gtctctggga	gtctggcaaa	caggaaattc	tgggaagagat	135000
tgctgaaggc	tcatcaatag	gggcatgcgt	gcctccctgt	taattttata	atacaataaa	135060
ctggcagagt	gggtttttag	ctcttccaat	tgggcagaca	aagactgaat	tccactttgt	135120
agaaataata	gggttttttt	tccccttcct	ttttattggg	taaggactaa	gaattgcaaa	135180
gtgactaaat	ttagtttttt	ttagctttta	actaaaaatt	gatttttagt	cagtgtgact	135240

B2

aaaaatcatt tacagaaagc ctgtagcctg ggactctacc cattttcccc ttacgcacag 135300
 tgctcaacca tggatgtcta gttagtggcc tcaagctccg aagagagact gtacagagaa 135360
 actgagaaaa gtaagaggaa cagttataga tgtattccag ttaatccctt ggcatcatcc 135420
 gtagccgggtc cgtgggaaaa ctgagtggtg tttccaatct aaggcaaaca catgtagtgg 135480
 cagctggaat tttgaactat ttcacaaaca tctttaagta tccaaagcat aacctgcagt 135540
 ggggtggtgat ttagagctct ctgggatagc actgggctgt cctgaggact gtctattata 135600
 agatacctgt gacagacaca gatctctaac caatggctca gttcagctcg ttaatctgag 135660
 gcacaaatag cagaggcctg ggagtggatg tttttaagtg atgcttttat tatttgttat 135720
 ctaccatgga ctgagcactt agtacaaact agtactttac cttatcttta cttacctagt 135780
 aagggcacaa cctacacagt cccaggcatc cacagtttta ctgcccttgt cagtgattac 135840
 agagccatat ttcctttgtc ctgaggtttc tgtagaccac ggtctcttaa aagtcacagt 135900
 gctgactgca gttaggccag accccttcca agctccagtt ttccgagctt acacagacca 135960
 atctggagaa tgcagcctg aaaagactgg aagtttatct ctatcttttg gtaacagtct 136020
 gcgagtgata ggggaaggtg cccaatcatt ggaaaacgat acattaacaa gagttgatgg 136080
 ttgctgtgat tcgacatagt atgaactcta ctagaaatgt aatcagatca ttgatcctgc 136140
 aggattgatt gctgatttat tttgcagctg actcacttta ggacagcctt acaatatttc 136200
 gcaactctgt ctgggagcac acacagaact ccgaatccag ataagcagct caaaaaggga 136260
 tacttagaag ggtgttgact gcctgcttca ttgttccttg ttcactagcg caccctagtg 136320
 accatctttg ctgggtaata gtgacttgca aaggtaaata tttactcca gatagcccac 136380
 aggagaaagc tacagatttc tctggcgtag cacagaaacg aaatgaacct caaaaaccac 136440
 ttactggtgc gggaaactcag atcgtatcct acagctctaa tgatgcagga gagagtgtc 136500
 tgaaaggaaa aaccaaagc agctgcacca aaccgaaggg ggcttggcac agagaagttg 136560
 gaattctaac gttaagaagt ggcagcagct gtcgagcctc atggtctgct gcgctgtgtt 136620
 gctgattggg tttgagcttg tcgagaggag ccacaggtca catttcttgc ccagctgcct 136680
 ttgccgtaag actcagtggc gctagatgtg gttacaacct tggctctggtg ggaaagtctg 136740
 taatcactca tcacctaata cgatagttac caatccattg ctagtatctg tcactcttag 136800
 aatggccact gcctgcttcc ttaggcaata gcgtttccca gagagagatt gaggtctagt 136860
 tccgttattt ccaggagctt cctcacttct ttaggacggt ggggtgggct tgcaacctgt 136920
 tttgcatggc tgcctccagc agtgtctgta ggaaggttag aataaatagg ctaattattc 136980
 agaataaatg actggctcct tcaatggaac agccagtc aaatgaacct caactggcca 137040
 atttggtttg atggattttt actgtaatcc ttatttataa aataaaggga ttggcctcaa 137100
 aggtcccttt tagttctagt ttatggtgac tctaattact cagcctaact gaccctttgg 137160
 agtagcacta tgtaaacacc attcctcagt tagcattaaa tcaactattgc ttgcatcaaa 137220
 atcccagtaa tgccattaaa gctaatttta ctttcacaca tccacttgtc tcttagtaaa 137280
 tgtatgggtg cttaagatgg aaatggttcc aagaattcca aaccataggg ggtggtatga 137340
 ttatatattg tttttattaa aataaattta gagaagttta agaaaaaaca atgacaacca 137400
 ggcctgatct gttgtcctgt agttcagagt tattcatcct taacgctcag gtcaagcatt 137460
 agtaggtcaa gttggccact ggcgtttttt atttctggta ttaagggttag tggtaagaa 137520
 tcgagggag taaagcctta agttaggctt ttttgggtaa gggatgggtg ccccccctgc 137580
 cctctaacc cggctccact tgtacacagc aaacctaaca gctgagtgtt aaacaatgat 137640
 ggatgacgtc ttcactacat ggaatggaat atgtgttctc tgcaaagacc atatgctaga 137700
 tcatggttaa agtaacattt ggttgttttc agggggaaac gctggcatca attatcgga 137760
 gtggtataag cccctagtgt ggttttggat ccttgttggc cttgcctact ttgcagctgt 137820
 cctcagatg atcgagatt ggctacgggt tctgtccaaa aagacaaaag aagaggtagg 137880
 accccttctt aaccctatga atgttcttga gaacagatga gcttgtgtcc agaattgcct 137940
 gtctctgtcc tgtgggctgg agtgtttctg gctcggtttt gcagggggag cggggggcgg 138000
 gtcataggct tcctcatgtt gaatcagtc ttc aaagctta aggagaatag aatacagtta 138060
 tttctggatt ctttttttgg caggtgagaa aatatggtga ttcgtttacc agcccataaa 138120
 tcctgaaaaa actagtaaac aacagctgat tttaaaaaaa tgaaaatgaa aataaatagg 138180
 agaggtagac tatggctgag tgtgtgtgtg ggggggtgca gcctgtcctt ccggtctcag 138240
 ggtctgtgca gaaaggcagt tgaacgcaa gaatctttcc tgattcagta agaaactgaa 138300
 atcatcgaac attgaccagc tacggggaag tgagcccaat gggcctcttt cacttatccc 138360
 ctcttggttg tcacatccat agagacaaat atacatccct gaggaagggc cgtgcatgta 138420
 actttacatg aaggaagta aaggaagaca tatgaaggaa agatagattt tgtgattaaa 138480
 aaataaatat tcatgtagct ctcttaggaa gagaggaaaa gaaaggagga aggccaagga 138540
 aggagaaaaa aaagagctaa aagaaaggaa gggagataag aaaaaccaa gaaatagagg 138600
 gccagcctct gtttgcctca ttctgtataa aaggccccag gagaaagttg ctgaatggag 138660

agatttccca catcagtttc ctgggcccac atgctaattt tcctgggtta tataagtaag 138720
 ccaggaaagt aagcaatgca atttccagac cggttcccca gacagctaac tgacctgctg 138780
 aaaatcagct ataacaaaag agaagggaac aacatgaata ttgactttcc tggatgcaca 138840
 aatttgagtt cctcatttgc agaggggaagc atgggactta tactgtctgc cctgttcatt 138900
 aagagccaag aaatttgggtg ctgatcctca ggcaaaactc cactctaagg aggccctgttc 138960
 tgtgggcttt ggcagaatag gccgtcttcc tgcacctga ctgggggaag tgggttacca 139020
 ggtgccctgg agcatcttct taaaccaggg aaagccccac agcacatgac catagcatgg 139080
 cccagatagg gtggccaccc atcccagttt tcccaggact gagggagttc ctaggacaca 139140
 ggactctggt ttaaaactgg gacagcctca ggcaaaactgg aacaagtgg tcacctgcc 139200
 aggatagaaa accagaaagg cagggagggc agaaggcctg ctgaacatct gctgtgccca 139260
 ggactgagtg aggtgcattt ccttgtctca ggtgagctat atatggtcac tcaagtgtat 139320
 gttgggggaa tgaggccatg caattgataa gagagagctg gaagccaggc ctgtccaact 139380
 ccacatttta acctctcctg caggatgccg tccccctctc tttaagtcac catctccaaa 139440
 tctgaggctt cttgggggtg cccaccacgt gtgtctccct gagccacctt atttactagc 139500
 caattagggg tgggtgtcca ggtggcagaa gtactagggc agaaggtagc atttgcacct 139560
 cccccctggg catgtgtctc gtcacctcct ggccctcccc tggggacacc cgagggtgt 139620
 ggggtgctggg aggccaaaggc agggaggcat ttgtcagcat attgttgctc ttctgtctct 139680
 tggccagggt ggtgaaatca aggcccatgc ggagatccac gataagctgc agcgggcggc 139740
 gttccgggag acacggcgaa ggctcagcgt gggcctggac cagcgggccc actcactgga 139800
 caccatccgc agcatggagc gccggcggct tgctgcccct gacaccggcc gcttcaaggc 139860
 catgctgtcc cccgagaagc gctctgtctt caacaacctg cgctgaagg ggcgggagca 139920
 ctcatccag gagagcatca acaaccggcc caacaacctg cgctgaagg ggcgggagca 139980
 gctgaacaag catgggcagg gtgctgccga ggacaacatc atcaacaagt tcgggtccac 140040
 ctccagactc accaagagga aaaacaagga cctcaaaaag acctgcccg aggacgttca 140100
 gaaaatctac aagaccttcc ggaattactc cctggacgag gagaagaaag aggaggagac 140160
 ggaaaagatg tgtaactcag acaactccag cacagccatg ctgacggact gtatccagca 140220
 gcacgttagg ttggagaacg gaatgatacc cagggacacc aaagaccggg agccggagaa 140280
 caactcatta ctggaagaca gaaactaaat gtggaaggaca ttggtcttgg actgagcgtt 140340
 gtgtgtgtgt gtgtgtgtgt gtttttaata ttacacatga gacatgtgcc ttaaacagac 140400
 tttttagtc cccgagaagc agcattgaag aatatatttc actgtgccat aaacaactga 140460
 aagcttgctc tgccaaaagg aatcagagaa caagaacttc atttcagata gcaaacgcag 140520
 gacacaccaa gagtgtccgt gcacgtagcc ggttctggcc gtacatgtta agggcatttc 140580
 agtggcagtg ctgtaccctt gggcagtgct acctgggcac acacgtagac aagggcagct 140640
 attccttaga ccagcctcct gaaagaaaca ggtgtgtctt tttagtggag tcgtagtaat 140700
 atgtgcacac acagaagggg acctgattgg gtgggagctg gttatgtgta actagcgttg 140760
 gagttgacat tttggcatgt gctctgagct tgaattttga taccaacctt tcagtgcac 140820
 atacctagtc tttctatgct ccaaataaat gtctgtgggg acctgagagc acctggaatt 140880
 tggttgaagc agatcagagc acacgtacga aaagggtgcaa ttgcttttct catgacaaaa 140940
 gaaaaaaaat aatcacaaac acatcacact gtggatatca ccttaaccaa tgacagaagc 141000
 ctgctgagtt tggcttttct cacaggggta ggtagtccac atgaactggc gagcagtgg 141060
 gaaaacatga catcaactgc tgcgtgggtta aaggccaatc atgcattttc ctcaagtgg 141120
 gcaatggtga caataaactg atttggaaat gtccatgtac tttgggtata acttgttttg 141180
 ataagagggg tagaaatacc aaaacaattg ccttgcatga tgccagtggc ttgctgttct 141240
 gtctagctga tctacattt ttacaaaagt agacatcctg catttctgag acacactgag 141300
 gaggaccatg gcatctttcc atctcagggc tttttgtccc ttgggtgtct tagggtagac 141360
 atagtataa gatccaatct cgctatctcc aaacaaaaag aaaatgtacc ccttgtacag 141420
 taagcttgaa atgtttttat tgcttgagc gtaagtggca ttaattccat ttaacaatga 141480
 tacttagaaa tatttaaaat atttcatttt acttttatgt ttgggcattc ctttattctg 141540
 aaaaagtcac cactgtcctt tgcttgtttc tacatctcac atcggttact cactaaaact 141600
 ggaacaccct agactgattg tcccaggca aacgataagc taacacatca taattatgat 141660
 tggctctgta ggctagaaca tccgcagag gaaagtcggg gaatggctag tcataggttg 141720
 catgatgatt ttaaatgggt ttgtatcaga aaggggaaaa tacatactcc tgtgtatgcc 141780
 tcagtcttta tcataattgg ctggttcaca gctagctctt tgggccacac gtgaaagcat 141840
 ttggacctgg caacaccagg cagttgctgg ttatgggtgt tctaggctca ctgctacctt 141900
 ttacagagtt cacgggattt tacgtaacta acccgagctg tggatttacc aaaagatcac 141960
 agcactagcg gagacttcca gaaactgtct catgctttct gacctccagg gaaagttgta 142020
 cccacgacat cctcaaccac tggtagcatg gaagacctgt ccctgcccac ttctcaaaaa 142080

tgcacagctc ttccctgcct ggagcacatg aagtcccatc tccctgtccc cagaccttta 142140
 ggctctgttg aagttctggc attgcttatg agacccttcc tgtccaagga aggtctaagt 142200
 caactcctcc attggactgg agatgaggct cactgggtgac atcctgtgtc gactcagtaa 142260
 taaatagtca cttgggaggg gatgtttatg caggtgtgga tgttgagttt tactatggga 142320
 atcattccag cctgacaaaa tgtgttttaa ggaataggta gataactggg acttcctctg 142380
 ttattctaac aagtcgaagc ttcctaatta aactgtccat ggatctcact tatttggttt 142440
 ccactctgtg ttatctggta cgttctttgt agcagtgtgt taaaattcca ggcctacgg 142500
 ccaaactctg cagaggcttc cctctcattt atccagtgcc ttctgtgggc caggcacagg 142560
 attaggcact ttatgaacgt cagctcattg aaacttcacg acactatgtg ggaagtattt 142620
 gcaaaccat tatatacaca aggacacaga ggctcagga agctatgtta tttatccaat 142680
 ggacacagc aagaaagtgg tagagctggg attcaaagtc tgaccaaagt ctgctttcaa 142740
 cttcactaca gtgtctgtgt catgcatcct tgtgattgtg tgtgtttgtg tgtatgtgtg 142800
 tctttctagc ttcattggaca cagcttacag atgtggggag cagatatggt ggaatctcca 142860
 ccaccaagag ggcacaaggt ctttgtgtaa acatgggtca aagggttgcc cctgcagaca 142920
 cctactgtac atttatttgg ttttgaaat tttgtatgtg gcacccttta aaaaatgcc 142980
 tttgaaagca ctcttttgca ctttacttgc taactttgta gaaactctgc atacagcagg 143040
 aataaaatag ttcaaagcac taagctgcat actctaccaa atggaacagg tgcattgtgtt 143100
 ggtatgtgca tagatgcttc cccaaatgag tcaaactcag cacacagagg gatcaaact 143160
 aaccttgggc tgggggtggg aaaattttct acataacca ttcctgaga catttgcca 143220
 agaattgtgat gaacaaaatc aaagaagatc ctctatggtg attgatcgat taaatatgtg 143280
 tgcaaagtgt ttagaaacct atgaaa 143306

<210> 4

<211> 526

<212> PRT

<213> Human

<400> 4

Val Ala Val Pro Ala Ala Ala Pro Val Cys Gln Pro Lys Ser Ala Thr
 1 5 10 15
 Asn Gly Gln Pro Pro Ala Pro Ala Pro Thr Pro Thr Pro Arg Leu Ser
 20 25 30
 Ile Ser Ser Arg Ala Thr Val Val Ala Arg Met Glu Gly Thr Ser Gln
 35 40 45
 Gly Gly Leu Gln Thr Val Met Lys Trp Lys Thr Val Val Ala Ile Phe
 50 55 60
 Val Val Val Val Val Tyr Leu Val Thr Gly Gly Leu Val Phe Arg Ala
 65 70 75 80
 Leu Glu Gln Pro Phe Glu Ser Ser Gln Lys Asn Thr Ile Ala Leu Glu
 85 90 95
 Lys Ala Glu Phe Leu Arg Asp His Val Cys Val Ser Pro Gln Glu Leu
 100 105 110
 Glu Thr Leu Ile Gln His Ala Leu Asp Ala Asp Asn Ala Gly Val Ser
 115 120 125
 Pro Ile Gly Asn Ser Ser Asn Asn Ser Ser His Trp Asp Leu Gly Ser
 130 135 140
 Ala Phe Phe Phe Ala Gly Thr Val Ile Thr Thr Ile Gly Tyr Gly Asn
 145 150 155 160
 Ile Ala Pro Ser Thr Glu Gly Gly Lys Ile Phe Cys Ile Leu Tyr Ala
 165 170 175
 Ile Phe Gly Ile Pro Leu Phe Gly Phe Leu Leu Ala Gly Ile Gly Asp
 180 185 190
 Gln Leu Gly Thr Ile Phe Gly Lys Ser Ile Ala Arg Val Glu Lys Val
 195 200 205
 Phe Arg Lys Lys Gln Val Ser Gln Thr Lys Ile Arg Val Ile Ser Thr
 210 215 220
 Ile Leu Phe Ile Leu Ala Gly Cys Ile Val Phe Val Thr Ile Pro Ala

225					230					235					240
Val	Ile	Phe	Lys	Tyr	Ile	Glu	Gly	Trp	Thr	Ala	Leu	Glu	Ser	Ile	Tyr
				245					250					255	
Phe	Val	Val	Val	Thr	Leu	Thr	Thr	Val	Gly	Phe	Gly	Asp	Phe	Val	Ala
			260					265					270		
Gly	Gly	Asn	Ala	Gly	Ile	Asn	Tyr	Arg	Glu	Trp	Tyr	Lys	Pro	Leu	Val
	275					280					285				
Trp	Phe	Trp	Ile	Leu	Val	Gly	Leu	Ala	Tyr	Phe	Ala	Ala	Val	Leu	Ser
	290				295					300					
Met	Ile	Gly	Asp	Trp	Leu	Arg	Val	Leu	Ser	Lys	Lys	Thr	Lys	Glu	Glu
305					310					315					320
Val	Gly	Glu	Ile	Lys	Ala	His	Ala	Ala	Glu	Trp	Lys	Ala	Asn	Val	Thr
			325						330					335	
Ala	Glu	Phe	Arg	Glu	Thr	Arg	Arg	Arg	Leu	Ser	Val	Glu	Ile	His	Asp
			340					345					350		
Lys	Leu	Gln	Arg	Ala	Ala	Thr	Ile	Arg	Ser	Met	Glu	Arg	Arg	Arg	Leu
		355				360					365				
Gly	Leu	Asp	Gln	Arg	Ala	His	Ser	Leu	Asp	Met	Leu	Ser	Pro	Glu	Lys
	370					375				380					
Arg	Ser	Val	Phe	Ala	Ala	Leu	Asp	Thr	Gly	Arg	Phe	Lys	Ala	Ser	Ser
385					390					395					400
Gln	Glu	Ser	Ile	Asn	Asn	Arg	Pro	Asn	Asn	Leu	Arg	Leu	Lys	Gly	Pro
			405					410						415	
Glu	Gln	Leu	Asn	Lys	His	Gly	Gln	Gly	Ala	Ser	Glu	Asp	Asn	Ile	Ile
		420						425					430		
Asn	Lys	Phe	Gly	Ser	Thr	Ser	Arg	Leu	Thr	Lys	Arg	Lys	Asn	Lys	Asp
		435					440					445			
Leu	Lys	Lys	Thr	Leu	Pro	Glu	Asp	Val	Gln	Lys	Ile	Tyr	Lys	Thr	Phe
	450					455					460				
Arg	Asn	Tyr	Ser	Leu	Asp	Glu	Glu	Lys	Lys	Glu	Glu	Glu	Thr	Glu	Lys
465					470					475					480
Met	Cys	Asn	Ser	Asp	Asn	Ser	Ser	Thr	Ala	Met	Leu	Thr	Asp	Cys	Ile
				485					490					495	
Gln	Gln	His	Ala	Glu	Leu	Glu	Asn	Gly	Met	Ile	Pro	Thr	Asp	Thr	Lys
			500					505					510		
Asp	Arg	Glu	Pro	Glu	Asn	Asn	Ser	Leu	Leu	Glu	Asp	Arg	Asn		
		515					520					525			

<210> 5
 <211> 538
 <212> PRT
 <213> Rattus norvegicus

<400> 5
 Met Lys Phe Pro Ile Glu Thr Pro Arg Lys Gln Val Asn Trp Asp Pro
 1 5 10 15
 Lys Val Ala Val Pro Ala Ala Ala Pro Pro Val Cys Gln Pro Lys Ser
 20 25 30
 Ala Thr Asn Gly His His Pro Val Pro Arg Leu Ser Ile Ser Ser Arg
 35 40 45
 Ala Thr Val Val Ala Arg Met Glu Gly Ala Ser Gln Gly Gly Leu Gln
 50 55 60
 Thr Val Met Lys Trp Lys Thr Val Val Ala Ile Phe Val Val Val Val
 65 70 75 80
 Val Tyr Leu Val Thr Gly Gly Leu Val Phe Arg Ala Leu Glu Gln Pro
 85 90 95

Phe Glu Ser Ser Gln Lys Asn Thr Ile Ala Leu Glu Lys Ala Glu Phe
 100 105 110
 Leu Arg Asp His Ile Cys Val Ser Pro Gln Glu Leu Glu Thr Leu Ile
 115 120 125
 Gln His Ala Leu Asp Ala Asp Asn Ala Gly Val Ser Pro Val Gly Asn
 130 135 140
 Ser Ser Asn Ser Ser Ser His Trp Asp Leu Gly Ser Ala Phe Phe Phe
 145 150 155 160
 Ala Gly Thr Val Ile Thr Thr Ile Gly Tyr Gly Asn Ile Ala Pro Ser
 165 170 175
 Thr Glu Gly Gly Lys Ile Phe Cys Ile Leu Tyr Ala Ile Phe Gly Ile
 180 185 190
 Pro Leu Phe Gly Phe Leu Leu Ala Gly Ile Gly Asp Gln Leu Gly Thr
 195 200 205
 Ile Phe Gly Lys Ser Ile Ala Arg Val Glu Lys Val Phe Arg Lys Lys
 210 215 220
 Gln Val Ser Gln Thr Lys Ile Arg Val Ile Ser Thr Ile Leu Phe Ile
 225 230 235 240
 Leu Ala Gly Cys Ile Val Phe Val Thr Ile Pro Ala Val Ile Phe Lys
 245 250 255
 Tyr Ile Glu Gly Trp Thr Ala Leu Glu Ser Ile Tyr Phe Val Val Val
 260 265 270
 Thr Leu Thr Thr Val Gly Phe Gly Asp Phe Val Ala Gly Gly Asn Ala
 275 280 285
 Gly Ile Asn Tyr Arg Glu Trp Tyr Lys Pro Leu Val Trp Phe Trp Ile
 290 295 300
 Leu Val Gly Leu Ala Tyr Phe Ala Ala Val Leu Ser Met Ile Gly Asp
 305 310 315 320
 Trp Leu Arg Val Leu Ser Lys Lys Thr Lys Glu Glu Val Gly Glu Ile
 325 330 335
 Lys Ala His Ala Ala Glu Trp Lys Ala Asn Val Thr Ala Glu Phe Arg
 340 345 350
 Glu Thr Arg Arg Arg Leu Ser Val Glu Ile His Asp Lys Leu Gln Arg
 355 360 365
 Ala Ala Thr Ile Arg Ser Met Glu Arg Arg Arg Leu Gly Leu Asp Gln
 370 375 380
 Arg Ala His Ser Leu Asp Met Leu Ser Pro Glu Lys Arg Ser Val Phe
 385 390 395 400
 Ala Ala Leu Asp Thr Gly Arg Phe Lys Ala Ser Ser Gln Glu Ser Ile
 405 410 415
 Asn Asn Arg Pro Asn Asn Leu Arg Leu Lys Gly Pro Glu Gln Leu Asn
 420 425 430
 Lys His Gly Gln Gly Ala Ser Glu Asp Asn Ile Ile Asn Lys Phe Gly
 435 440 445
 Ser Thr Ser Lys Leu Thr Lys Arg Lys Asn Lys Asp Leu Lys Lys Thr
 450 455 460
 Leu Pro Glu Asp Val Gln Lys Ile Tyr Lys Thr Phe Arg Asn Tyr Ser
 465 470 475 480
 Leu Asp Glu Glu Lys Lys Glu Asp Glu Thr Glu Lys Met Cys Asn Ser
 485 490 495
 Asp Asn Ser Ser Thr Ala Met Leu Thr Glu Cys Ile Gln Gln Gln Ala
 500 505 510
 Glu Met Glu Asn Gly Met Val Pro Met Asp Thr Lys Asp Gln Gly Leu
 515 520 525
 Glu Asn Asn Ser Leu Leu Glu Asp Arg Asn
 530 535